

6615

&lt;400&gt; 7412

Ile Leu Lys Ile Arg Xaa Thr Xaa Pro Ala Xaa Pro Pro Arg Cys Xaa  
1 5 10 15

Ala Ala Leu Gly Ile Ser Gly  
20

&lt;210&gt; 7413

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7413

Pro His Ser Ala Gln Cys Gly Val Glu Ala Thr Xaa Xaa Xaa Ser Pro  
1 5 10 15

Xaa Pro Arg Asn Thr Xaa Asn Thr Leu Val Leu Ala Lys Ser Ser  
20 25 30

&lt;210&gt; 7414

&lt;211&gt; 45

## 6616

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7414

Tyr	Ser	Ala	Leu	Pro	Ala	Xaa	Xaa	Arg	Glu	Ser	Trp	Xaa	Xaa	Cys	Arg
1				5				10						15	

Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Ala	His	Ala	Ser
			20					25					30		

Val	Ile	Val	Arg	Trp	Ala	Asn	Leu	Leu	Val	Leu	Xaa	Ile
		35					40					45

&lt;210&gt; 7415

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;



6617

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7415

Pro Xaa Asn Asn Gly Phe Xaa His Met Ile Lys Lys Lys Lys Pro Phe

1

5

10

15

Thr Asn Xaa

&lt;210&gt; 7416

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7416

Arg Leu Cys Glu Leu Tyr Arg Gln Asp Leu Arg Ile Ala Ser Pro Pro

1

5

10

15

Asn Glu Val Leu Thr Leu Ala Trp Val Leu Lys Arg Pro Asp Xaa Phe

20

25

30

Leu Leu Leu Pro Glu Ser Met Gly Leu Gly Leu Pro His Val Trp Gly

6618

35

40

45

Ala Xaa Ala Xaa Trp Glu Xaa Lys Lys  
 50 55

&lt;210&gt; 7417

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7417

Leu Arg Xaa Pro Ile Arg Lys Ala Gly Thr Pro Ala Arg Thr Gly Pro  
 1 5 10 15

Val Ile Xaa Gly Ser Xaa Gln Ala Ser Ala His Xaa Gly Arg Lys Glu  
 20 25 30

Asn Pro Xaa Ile Xaa Glu Glu Thr Glu Ser  
 35 40

6619

&lt;210&gt; 7418

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

## 6620

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7418

Pro	Arg	Val	Arg	Ile	Tyr	Val	Xaa	Leu	Xaa	Val	Xaa	Xaa	Xaa	Thr	Leu
1				5					10					15	

Xaa	Xaa	Pro	Xaa	Asn	Val	Leu	Asp	Xaa	Asn	Thr	Gln	Ser	Xaa	Asp	Ser
			20					25					30		

His	Ser	Xaa	Lys	Ser	Leu	Val	Xaa	Pro	Tyr	Asn	Trp	Val	Phe	Trp
		35					40					45		

<210> 7419

<211> 44

<212> PRT

<213> Homo sapiens

<400> 7419

Ala	His	Phe	Cys	Ser	Lys	Thr	Asn	Ser	Ile	Lys	Pro	Leu	Glu	Cys	Ser
1				5					10					15	

Gly	Phe	Gln	His	Thr	Val	His	Arg	Gln	Pro	Phe	Tyr	Gln	Lys	Leu	Ser
			20					25					30		

Val	Phe	Pro	Met	Thr	Gly	Phe	Ser	Gly	Lys	Val	Asn
		35						40			

<210> 7420

<211> 89

<212> PRT

<213> Homo sapiens

## 6621

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (74)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (84)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7420  
Ser Arg Asn Ser Arg Asn Asp Ser Thr Ser Val Phe Phe Phe Lys Lys  
1 5 10 15  
Asn Leu Ile Ser Leu Phe Tyr Phe Arg Ile Ala Leu Leu Ile Thr Phe  
20 25 30  
Leu Pro Trp Lys Leu Thr His Ser Leu Xaa Xaa Leu Arg Met His Pro  
35 40 45  
Met Lys Tyr Phe Arg Ile Glu Lys Lys Glu Met Asn Tyr Leu Asn Ser  
50 55 60  
Pro Glu Xaa Leu Cys Leu Leu Val Xaa Xaa Xaa Arg Leu Asn Ala Ile  
65 70 75 80

## 6622

Leu Pro Leu Xaa Thr Asp Ala Leu Leu

85

<210> 7421

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7421

Pro Arg Val Arg Val His Leu Pro Phe Phe Phe Phe Phe Lys Phe Ser

1

5

10

15

Pro Ile Gln Xaa Asn Asn Xaa Xaa Xaa Xaa

20

25

<210> 7422

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

## 6623

<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)

## 6624

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7422

Pro Phe Tyr Lys Lys Gly Glu Lys Ser Xaa Gly Val Xaa Arg Gly Pro  
1 5 10 15

Pro Pro Gly Val Asn Xaa Arg Ser Arg Gly Lys Phe Pro Pro Gly Gly  
20 25 30

Ser Gly Asn Pro Thr Ala Gly Ser Arg Xaa Asn Ser Ile Leu Xaa Xaa  
35 40 45

Lys Thr Pro Asn Pro Asn Xaa Asn Pro Leu Lys Pro Xaa Gly Gly Ala  
50 55 60

Leu Leu Gln Ala Pro Pro Xaa Asn Trp Asn Xaa Pro Gly Xaa Glu Pro  
65 70 75 80

Asn

<210> 7423

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7423

Val Arg Lys Gln Leu Asn Leu Cys Val Leu Leu Glu Leu Gln His Pro  
1 5 10 15



## 6625

Phe Leu Pro Phe His Leu Cys Val His Pro Gln Leu Asn Ala Ser Val  
                   20                                  25                                  30  
 Thr Ser Asn Glu Ile Glu Asn Ala Ala Glu Ala Pro Gly Val Xaa Asn  
                   35                                  40                                  45  
 Thr Gly Lys Gly Ser Trp Ala Ser Leu Leu Val Trp Glu Arg Thr Ser  
                   50                                  55                                  60  
 Ser Pro Thr Leu Leu Ser Pro Ser Phe Trp Ala Ser Tyr Glu Phe Glu  
                   65                                  70                                  75                                  80  
 Ala Phe Asn Lys Leu Tyr Gln Arg Xaa Met Lys Asn Phe Gln Asn Ala  
                                   85                                  90                                  95  
 Ile Gly Lys Gly Cys Ser Xaa Met Val Ala His Leu Lys Gly Ser Pro  
                   100                                  105                                  110  
 Ile Xaa Leu Val Leu  
                   115

&lt;210&gt; 7424

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

6626

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7424

Lys Xaa Phe Leu His Xaa Xaa Leu Xaa Asp Ser Xaa Cys Xaa Xaa Gly

1

5

10

15

Asn Ser Ser Phe Lys Leu Phe Phe Pro Thr Phe Arg Leu Val Ser Pro

20

25

30

Pro Asp Pro His Arg Trp Ile Ser Glu Xaa Tyr Gln Thr Gly Glu Pro

35

40

45

Lys Lys Leu Gly Leu Thr Phe

50

55

&lt;210&gt; 7425

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

## 6627

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7425

Tyr Ser Glu His Xaa Gly Glu Ser Xaa Ile Lys Val Xaa Arg Ser Xaa  
1 5 10 15

Asn Ile Xaa Glu Xaa Phe Gly Glu Thr Asn Ile Pro Leu Asn Val Ser  
20 25 30

Arg Thr Tyr Lys Gly Pro Arg Lys Pro Xaa Xaa Met Lys Lys Asn Lys  
35 40 45

Glu Ile Gln Xaa Pro Xaa  
50

6628

&lt;210&gt; 7426

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7426

Asp	Cys	Arg	Xaa	Leu	Ser	Pro	Phe	Lys	Lys	Trp	Xaa	Pro	Gly	Pro	Lys
1				5				10				15			

Ser	Xaa	Xaa	Leu	Val	Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Xaa	Ala
			20				25					30			

His

&lt;210&gt; 7427

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

## 6629

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7427

Xaa	Lys	Ser	Pro	Leu	Ile	Asn	Ile	Gly	Xaa	Xaa	Gly	Lys	Phe	Leu	Gly
1				5				10						15	

Glu	Gly	Phe	Ser	Gly	Cys	Xaa	Phe	Leu	Xaa	Gly	Pro	Tyr	Phe	Leu	Arg
			20					25						30	

Val

<210> 7428

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6630

<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (74)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7428  
Xaa Xaa Xaa Xaa Tyr Ala Cys Met Tyr Arg Ser Gly Ile Pro Gly Ser  
1 5 10 15

## 6631

Thr His Ala Ser Asp Pro Ser Xaa Leu Lys Phe Ser Cys Tyr Ile Gly  
20 25 30  
Ile Pro His Xaa Xaa Leu Ser Ser Ile Xaa Gly Trp Met Arg Ala Xaa  
35 40 45  
Ile Ser Ser Trp Val Xaa Glu Gln Ile His Gly His Thr Phe Tyr Asn  
50 55 60  
Asp Trp Ser Ser Val Leu Gln Ile Lys Xaa Leu Gln Ser Xaa  
65 70 75

<210> 7429

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 6632

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (83)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7429

Gly Pro Gln Ser Pro Ala Ser Ser Val Phe Leu His Trp Pro Pro Gly

1 5 10 15

Ser Pro Arg Leu Asn Arg Pro Ser Cys Glu Asn His Cys Tyr Arg Cys

20 25 30

Glu Asn Gly Val Leu Gln Ser Ser Gln Arg Arg Xaa Ile Glu Lys Glu

35 40 45

Thr Asp Xaa Met Xaa Asn Xaa Leu Gly Lys Glu Ser Phe His Glu His

50 55 60

Phe Thr Met Leu Pro Xaa Ala Leu Lys Glu Ile Xaa Leu Xaa Leu Phe

65 70 75 80

Ser Gln Xaa Thr Leu Phe

85

&lt;210&gt; 7430

&lt;211&gt; 84

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7430



## 6633

Glu Arg Met Ser Ser Phe Ser Ser Pro Leu Gly Ile Ser Arg Ala Arg  
 1 5 10 15  
 Arg Gly Lys Thr Lys Thr Gly Asn Val Tyr Lys Asn Cys Ser Arg Phe  
 20 25 30  
 Ala Asn Lys Lys Leu Val Lys Val Ser Lys Asn Gly Asp Trp Xaa Phe  
 35 40 45  
 Pro Gly Arg Lys Asp Ala Arg Gly Leu Ile Gly Glu Lys Leu Gly Thr  
 50 55 60  
 Leu Lys Pro Arg Lys Val Gln Ala Pro Ser Pro Thr Arg Xaa Ser Leu  
 65 70 75 80  
 Phe Phe Ser Xaa

&lt;210&gt; 7431

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7431

Ile Ile Asn Asn Asn Lys Asn Lys Ala Asn Thr Leu Asp Ile Thr Leu  
 1 5 10 15

Pro Ser Gly Ala Xaa Lys Lys Val Lys Ala Gly Ile Ser Phe Ser Tyr  
 20 25 30

Leu Asn Leu Ser Val Leu Ser Gln Gly Ile Phe Ser Glu Asn Arg Trp  
 35 40 45

Asn Xaa Val Arg Leu Trp Xaa Met Leu Ser Ile Ile Gly

6634

50

55

60

&lt;210&gt; 7432

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7432

Arg Ala Lys Gly Gln Met Val Leu Pro Xaa Pro Pro Cys Xaa Cys Gly  
1 5 10 15

Gly Xaa Pro Leu Ser Ala Cys Xaa Ala Leu Thr Gly Asn Xaa Leu Ala  
20 25 30

Trp Asn Leu Gly Arg Gly Leu Pro Ser His Pro Cys Ser Ser Ser Pro  
35 40 45

Pro Thr Xaa Asn Pro  
50

6635

&lt;210&gt; 7433

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7433

Pro	Leu	Gly	Gly	Gly	Xaa	Pro	Thr	Gly	Pro	Pro	Phe	Trp	Ala	Xaa	Lys
1					5				10					15	

Lys	Lys	Ile	Xaa	Asn	Pro	Arg	Gly	Gly	Phe	Pro	Xaa	Gly	Gly	Glu	Lys
			20					25					30		

Ile	Phe	Pro	Pro	Pro	Arg	Gly	Gly	Gly	Phe	Pro	Ser	Lys	Xaa	Pro	Gln
		35					40					45			

Thr	Xaa	Pro	Gly	Phe	Pro
					50

6636

<210> 7434  
<211> 78  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7434  
Ala Gly Ala Gly Ile Arg Lys Trp Glu Ala Ala Ala Pro His Pro Pro  
1 5 10 15

Xaa Ser Phe Arg Pro Leu Leu Xaa Pro Lys Phe Ser Pro Xaa Arg Gly  
20 25 30

Pro Phe Lys Gly Pro Ala Leu Arg Arg Arg Ala Arg Xaa Arg His Gln  
35 40 45

Glu Ala Gly Trp Ala Gln Pro Ser Leu Lys Leu Ala Gly Thr Gly Arg  
50 55 60

Thr Xaa Pro Ser Arg Ala Ser Xaa Arg Lys Gly Asn Arg Ser

## 6637

65

70

75

&lt;210&gt; 7435

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7435

Gly	Thr	Leu	Arg	Gln	Ala	Ile	Pro	Ala	Pro	Glu	Ser	Gln	Ile	Trp	Xaa
1				5					10					15	

Ala	Glu	Leu	Leu	Ser	Xaa	Leu	His	Cys	Ser	Xaa	Ile	Ser	Xaa	Ser	Ser
			20					25					30		

Gln	Ser	Cys	Phe	Cys
				35

&lt;210&gt; 7436

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6638

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7436

Arg	Arg	Cys	Trp	Ser	Ser	Asp	Trp	Pro	Gly	Lys	Ile	Arg	Ala	Leu	Glu
1				5					10					15	

Arg	Ser	Lys	Glu	Gln	Leu	Leu	Ser	Xaa	Arg	Ala	Gly	Gln	Lys	Phe	Val
			20					25					30		

Leu	Gln	Ala	Arg	Thr	Pro	Glu	Val	Ser	Asp	Gly	Ala	Xaa	Xaa	Leu	Arg
		35					40					45			

Lys	Ala	Gly	Leu	Ala	Glu	His	Ser	Gly	Leu	Thr	Gly	Ser	Gly	Pro	Leu
	50					55					60				

Pro	His	Xaa
	65	

&lt;210&gt; 7437

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

## 6639

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7437

Gly	Val	Val	His	Gly	Xaa	Xaa	Gly	Val	Arg	Thr	Ala	Gln	Thr	Xaa	Leu
1				5				10						15	

Xaa	Val	Ser	Ser	Xaa	Xaa	Xaa	Phe	His	Arg	Ser	Phe	Arg	Xaa	Val	Leu
				20				25					30		

<210> 7438

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6640

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7438

Asp	Arg	Gly	Gly	Asn	Thr	Thr	Ala	Leu	Ile	Gln	Val	Glu	Xaa	Thr	Lys
1				5					10					15	

Lys	Arg	Gln	Gln	Leu	Val	Thr	Val	Ala	Arg	Val	Thr	Ala	Thr	Lys	Arg
			20					25					30		

Gly	Cys	Gly	Lys	Gly	Gly	Leu	Ala	Xaa	Leu	Leu	Ala	Ala	Ala	Ala	Tyr
		35					40					45			

Gln	Ala	Ser	Tyr	Glu	Asn	Tyr	Leu	Leu	Arg	Val	Ala	Tyr	Cys	His	Val
	50					55					60				

Xaa	Asp	His	Glu	Gly	Xaa	Xaa	Ala	Leu	Arg	Ser	Ser	Glu
65					70					75		

&lt;210&gt; 7439

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



## 6641

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7439

Gly	Gly	Pro	Cys	Asp	Ser	Asp	Thr	Xaa	Xaa	Gln	Asp	Ile	Tyr	Glu	Phe
1				5				10						15	

Lys	Xaa	Xaa	Ile	Thr	Gln	Asp	Xaa	Ser	Trp	Ser	Thr	Leu	Arg	Ser	Ala
			20					25					30		

Val	Tyr	Arg
		35

&lt;210&gt; 7440

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6642

&lt;400&gt; 7440

His Tyr Val Ile Ser Ala Gln Cys Ser Glu Cys Gln Met Lys Lys Phe  
 1 5 10 15

Asn Glu Thr Pro Val Asn Arg Xaa Xaa Xaa Tyr Asn Pro Leu Xaa Val  
 20 25 30

Ser Lys

&lt;210&gt; 7441

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7441

Trp Pro Thr Tyr Trp Trp Phe Val Phe Asn Val Val Phe Val Val Cys  
 1 5 10 15

Cys Leu Val Thr Gln Gln Leu Gln Trp Leu Ala Thr Gly Val Val Tyr  
 20 25 30

Tyr Met Gly Pro Ala Gln Pro Xaa Pro Leu Glu Ala Thr Cys Pro Gln

6643

35	40	45
Ser Ala Arg Xaa Phe Val Leu Val Ala Lys Xaa Asn Asn Val Asn His		
50	55	60
Xaa Lys Arg Pro Cys Xaa Leu		
65	70	

&lt;210&gt; 7442

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6644

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7442

Xaa Ala Gly Lys Ala Xaa Arg Ile Xaa Pro Gly Ile Leu Xaa Ser Thr  
1 5 10 15

His Ala Ser Ala Gly Leu Leu Gly Trp Phe Ser Ser Ser Gly Pro Phe  
20 25 30

Trp Gly Thr Xaa Xaa Pro Xaa Phe Leu Arg Cys Xaa Phe Pro His Arg  
35 40 45

Phe Pro  
50

&lt;210&gt; 7443

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7443

Asp Xaa Ala Asn Pro Asp Pro Val Ala Asn Val Tyr Pro Ile Xaa Tyr

## 6645

1                    5                    10                    15  
 Pro Arg Ser Xaa Phe Ser Phe Ala Phe Ile Leu Thr Thr Ala Val Xaa  
                   20                    25                    30  
 Tyr Ser Ala Leu His Val Arg Pro Phe Phe Gly Cys Cys Val Val Trp  
                   35                    40                    45  
 Gly Ala Val Ala Val Trp Xaa Leu Val Val Ser His Gly Leu Pro Tyr  
                   50                    55                    60  
 Thr  
 65

&lt;210&gt; 7444

&lt;211&gt; 73

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7444

Ser Val Xaa Arg Phe Thr Arg Ser Phe Ile Ser Phe Leu Arg Pro Leu  
 1                    5                    10                    15  
 Leu Cys Cys Leu Tyr Cys Cys Ile Phe Ala Lys Ala Val Leu Leu Leu  
                   20                    25                    30  
 Thr Gly Val Leu Cys Leu Leu Ala Val Thr Leu Leu Tyr Thr Ala Ala  
                   35                    40                    45  
 Leu Arg Ser Glu Cys Tyr Ala Ala Ala Asn Xaa Ser Thr Asp Ala Tyr  
                   50                    55                    60  
 Ser Thr Leu Val Leu Leu Ala Tyr Val  
 65                    70

&lt;210&gt; 7445

&lt;211&gt; 71

6646

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7445

Ala	His	Ala	Thr	Gly	Arg	Xaa	Gln	Leu	Ala	Pro	Pro	Arg	Thr	Gly	Thr
1				5				10						15	

Xaa	Ala	Pro	Arg	Leu	Pro	Thr	Xaa	Val	Ala	Asp	Cys	Thr	Cys	Leu	Gly
				20				25						30	

Met	Cys	Leu	Ile	Ser	Xaa	Ala	His	Val	Met	Ala	Arg	Xaa	Ile	Ser	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6647

	35		40		45	
Tyr	His	Asn	Ala	Ser	Asp	Arg
						Arg
						Phe
						Gly
						Ile
						Xaa
						Xaa
						Arg
						Arg
						Leu
	50				55	
						60
Gln	Xaa	Ala	Cys	Pro	Ile	Met
	65				70	

&lt;210&gt; 7446

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7446

Xaa	Phe	Val	Gly	Trp	Xaa	Arg	Trp	Asp	Thr	Gly	Xaa	Ile	Leu	Gly	Lys
1					5					10				15	

Trp	Leu	Xaa	Thr	Phe	Leu	Ser	Arg	Ser	Tyr	Leu	Ala	His	His	Val	Xaa
					20				25					30	

Leu	Asn	Gly
	35	

6649

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (93)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (109)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (114)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (134)  
<223> Xaa equals any of the naturally occurring L-amino acids



## 6650

&lt;400&gt; 7448

Xaa Xaa Asn Xaa Cys Leu Pro Xaa Leu Pro Val Ile Tyr Leu Val Leu  
 1 5 10 15  
 Tyr Leu Val Leu Tyr Leu Val Leu Phe Thr Leu Leu Phe Leu Leu Phe  
 20 25 30  
 Ser Val Cys Ser Arg Val Pro Val Ala Glu Leu Thr Leu Arg Arg Arg  
 35 40 45  
 Val Trp Tyr Val Leu Val Ala Gly Val Ile Pro Ile Val Val Leu Ile  
 50 55 60  
 Xaa Thr Ala Val Phe Xaa Val Xaa Thr Val Pro Thr Val Ser Ile Pro  
 65 70 75 80  
 Ala Leu Ala Thr Ala Thr Pro Thr Ala Val Arg Pro Xaa Asn Arg Ile  
 85 90 95  
 Gly Ser Met Ser Val Gly Arg Gln Ser Leu Phe Cys Xaa Leu Phe Thr  
 100 105 110  
 Leu Xaa Arg Phe Lys Leu Tyr Glu Val Cys Arg Val Arg Gly Val Ala  
 115 120 125  
 Asn Ser Ile Ala Thr Xaa  
 130

&lt;210&gt; 7449

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7449

His Phe Ser Phe Ser Phe Asn Leu Gln Tyr Leu Trp Arg Ala Ser Arg  
 1 5 10 15  
 Arg His Gln Ser Thr His Phe Phe Pro Ser Leu Leu Arg Leu Xaa Glu  
 20 25 30

6651

Leu Pro Met Asp Xaa Val Arg  
35

<210> 7450

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6652

&lt;400&gt; 7450

Xaa Arg Xaa Leu Pro Ser Xaa Arg Ala Ile Arg Asn Pro Val Lys Ala  
1 5 10 15

Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg  
20 25 30

Pro Arg Xaa Arg Gly Arg Pro Leu Arg Ser Arg His Xaa Xaa Cys Arg  
35 40 45

Lys Glu His Pro Glu Met Lys Gly His Gln Glu Glu Xaa His Tyr Leu  
50 55 60

Leu Xaa Gln  
65

&lt;210&gt; 7451

&lt;211&gt; 155

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (114)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (126)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (131)

## 6653

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7451

Val	Xaa	Ile	Val	Lys	Ala	Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe
1				5					10					15	

Pro	Gly	Arg	Pro	Thr	Arg	Ser	Val	Xaa	Asp	Glu	Gln	Glu	His	Tyr	Ile
			20					25					30		

Ser	Asp	Asp	Leu	Asp	Ile	Glu	Thr	Lys	Met	Glu	Glu	Gln	Glu	Lys	Asn
		35						40					45		

Pro	Ala	Ser	Ser	Glu	Leu	Glu	Glu	Pro	Ser	Leu	Val	Cys	Glu	Glu	Asp
	50					55					60				

Glu	Ile	Met	Arg	Ser	Lys	Glu	Ser	Pro	Asp	Leu	Ser	Ile	Xaa	His	Ser
65					70					75					80

Gln	Val	Glu	Gln	Leu	Val	Asn	Lys	Thr	Ser	Glu	Leu	Asp	Met	Ser	Glu
				85					90					95	

Ser	Lys	Thr	Arg	Ser	Gly	Lys	Val	Phe	Gln	Asn	Lys	Met	Ala	Asn	Gly
			100					105					110		

Asn	Xaa	Pro	Val	Lys	Ser	Ser	Lys	Glu	Asn	Arg	Lys	Arg	Xaa	Gln	His
		115					120					125			

Glu	Ser	Xaa	Arg	Ile	Val	Xaa	Leu	Met	Ile	Met	Tyr	Arg	Xaa	Asn	Thr
		130				135					140				

Met	Gly	Arg	Ile	Thr	Asn	Ile	Ile	Thr	Thr	Asp
145					150					155

<210> 7452

<211> 29

<212> PRT

<213> Homo sapiens

<220>

## 6654

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7452

Ala	Val	Xaa	Phe	Leu	Xaa	Xaa	Asn	Xaa	Thr	His	Tyr	Phe	Gly	Lys	Leu
1				5					10					15	

Val	Pro	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg
			20				25					

&lt;210&gt; 7453

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

}

6655

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7453

Val	Asp	Met	Xaa	Trp	Lys	Trp	Ile	Xaa	Thr	Leu	Val	Asn	Glu	Gln	Met
1				5				10						15	

Ile	Xaa	Tyr	Val	Leu	Lys	Met	His	His	Pro	Xaa
			20					25		

<210> 7454

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6656

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7454  
Arg Xaa Ile Leu His Pro Xaa Xaa Asp Arg His Leu Asp Pro His Ser  
1 5 10 15  
Pro Xaa Ala Arg Gly Gly Gly Phe Pro Trp Asp Val Lys Gly Trp Pro  
20 25 30  
Leu Leu Ser Pro Cys Asn Xaa Asn Val Asn Pro Thr Glu Ala Pro Ser  
35 40 45  
Arg Xaa Pro Glu Ser Trp Xaa Xaa Thr Asn Xaa Val  
50 55 60

<210> 7455  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7455

6657

Thr Ile Phe Xaa Arg Trp Tyr Pro Leu Gln Val Pro Val Arg Asn Ser  
1 5 10 15

Arg Val Asp Pro Xaa Val Arg Phe Xaa Gln Xaa Leu Thr Arg Asp Gly  
20 25 30

Lys

<210> 7456

<211> 50

<212> PRT

<213> Homo sapiens

<400> 7456

Val Asn Thr Asp Gly Phe Pro Leu Ile Phe Gln Phe Tyr Val Glu Ser  
1 5 10 15

Ser Leu Asp Tyr Lys Phe His Met Leu Leu Gly Val Phe Ser Val Cys  
20 25 30

Leu Ile Ala Cys His Trp Lys Val Lys Asn Leu Asp Leu Asp Ile Ile  
35 40 45

Lys Ile  
50

<210> 7457

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids



## 6658

&lt;400&gt; 7457

Gly Gly Pro Phe Gly Ser Arg Arg Gly Ala Gly Gly Ala Gly Ala Gly  
1 5 10 15  
Pro Gly Gly Gly Gly Ser Gly Gly Val Ala Lys Trp Leu Arg Glu His  
20 25 30  
Leu Gly Phe Arg Gly Gly Xaa Gly Xaa Xaa Gly Gly Arg Lys Pro Ala  
35 40 45

&lt;210&gt; 7458

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6659

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7458

His	Tyr	Xaa	Gly	Xaa	Glu	Ile	Tyr	Lys	Glu	Xaa	Lys	Tyr	Xaa	Ser	Ile
1				5				10					15		

Tyr	Asn	Phe	Xaa	Lys	Arg	Phe	Asn	Val	Lys	Ile	Xaa	Trp	Ile	Cys	Xaa
			20					25					30		

Xaa	Asn	Asn	Thr	Tyr	Arg	Tyr	Val	Leu	Cys
			35				40		

&lt;210&gt; 7459

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6660

&lt;400&gt; 7459

Asp Arg Leu Xaa Xaa Cys Lys Val Asn Lys Xaa Phe Lys Xaa Lys His  
 1 5 10 15

Cys Xaa Trp Thr  
 20

&lt;210&gt; 7460

&lt;211&gt; 112

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7460

Pro Thr Arg Ser Gly Ile His Val Glu Ala Thr Pro Ala Ala Ser Ala  
 1 5 10 15

Phe Leu Gly Ala Glu Arg Gln Pro Arg Pro Pro Val Pro Ser Pro Pro  
 20 25 30

Ser His His Arg Ser Ser Ala Pro Gly Arg Thr Val Trp Pro Leu Pro  
 35 40 45

Val Pro Ala Met Gly Ser Gly Trp Thr Pro Trp Ala Pro Pro Ile Ala  
 50 55 60

Lys Pro Gly Arg Gln Leu Ser Leu Val Pro Ala Arg Asp Ser Pro Gly  
 65 70 75 80

Phe Pro Ser Ile Leu Met Cys Pro Leu Xaa Pro Leu Gln Arg Pro Pro  
 85 90 95

Thr Gln His His Arg Pro Gly Leu Leu Gln Thr Ile Asn Tyr Asn His  
 100 105 110

&lt;210&gt; 7461

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 6661

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7461

Val Asp Pro Arg Val Arg Xaa Arg Val Gly Xaa Pro Val Leu Leu Xaa

1

5

10

15

Gln Thr Pro Xaa

20

&lt;210&gt; 7462

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6662

&lt;222&gt; (102)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7462

Leu	Lys	Phe	Thr	Leu	Arg	Trp	Phe	His	Phe	Leu	Val	Tyr	Lys	Gly	Arg
1				5					10					15	

Val	Ser	Asp	Xaa	Cys	Pro	Val	Ile	Ser	Gly	Thr	Pro	Ser	Gly	Lys	Glu
			20					25					30		

Ala	Glu	Gly	Pro	Ser	Tyr	Gly	Arg	Val	His	Pro	Val	Arg	Pro	Ser	Thr
			35				40					45			

Thr	Lys	Val	Ser	Trp	Phe	Pro	Phe	Leu	Pro	Ser	Tyr	His	Ser	Phe	Pro
	50					55					60				

Gly	Ser	His	Pro	Leu	His	Ile	Gln	Gln	Xaa	Gly	Leu	Thr	Phe	Leu	Cys
65					70					75					80

Xaa	Ser	Trp	Glu	Asn	Thr	Ser	Leu	Leu	Gln	Cys	Lys	Val	Arg	Leu	Asp
				85					90					95	

Lys	Gln	Ala	Gly	Val	Xaa	Glu	Ala	Xaa
			100					105

&lt;210&gt; 7463

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7463

Thr	Phe	Gly	Lys	Ala	Gly	Pro	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro
1				5					10					15	

6663

Gly Arg Pro Thr Arg Pro Phe Ala Ser Lys Ala Xaa Arg Xaa  
                   20                  25                  30

&lt;210&gt; 7464

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7464

Xaa Xaa Leu Arg Arg Cys Gly Leu Leu Xaa Ile Asp Leu His Xaa Asn  
       1                  5                  10                  15

Xaa Tyr Met Thr Xaa Thr Thr Pro Lys Glu Ile Leu Arg Ile Trp His  
                   20                  25                  30

Ser Tyr Ser Leu Cys Val Ile  
                   35

6664

&lt;210&gt; 7465

&lt;211&gt; 89

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (86)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7465

Phe	Leu	Tyr	His	Leu	Phe	Leu	Glu	Ala	Phe	Arg	Ser	Pro	Val	Phe	Arg
1				5					10					15	

His	Gly	Thr	Asp	Lys	Asn	Gly	Phe	Ser	Leu	Gly	Phe	Ser	Lys	Asn	Met
			20					25					30		

Arg	Gln	Val	Phe	Gly	Asp	Glu	Lys	Lys	Tyr	Trp	Leu	Leu	Pro	Ile	Phe
		35					40					45			

Ser	Ser	Leu	Gly	Asp	Gly	Cys	Ser	Phe	Pro	Thr	Cys	Leu	Val	Asn	Gln
	50					55					60				

Asp	Pro	Glu	Gln	Ala	Ser	Thr	Pro	Cys	Arg	Ala	Glu	Phe	His	Ser	Leu
65					70					75					80

Lys	Ser	Arg	Lys	Pro	Xaa	Ser	Xaa	Leu
					85			

&lt;210&gt; 7466

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6665

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7466  
Ala Xaa Trp Ala Asp Phe Asp Ser Xaa Xaa Xaa Phe Gly Phe Gly Xaa  
1 5 10 15  
Ser Lys Pro

<210> 7467  
<211> 99  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>



## 6666

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (93)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7467

Thr	Lys	Xaa	Gly	Glu	Leu	Ile	Ser	Val	Pro	Leu	Leu	Xaa	Xaa	Gly	Tyr
1				5					10					15	

Val	Leu	Val	Arg	Gly	Ser	Ser	Asp	Lys	Asn	Gln	Ile	Ser	Ser	Thr	Ile
			20					25						30	

Ser	Leu	Leu	Lys	Tyr	Leu	Xaa	Xaa	Gly	Tyr	Ser	Ile	Gly	Thr	Pro	Leu
			35					40					45		

Asp	Gly	Pro	Lys	Gly	Pro	Lys	Glu	Xaa	Xaa	Lys	Lys	Gly	Leu	Xaa	Tyr
	50					55					60				

Xaa	Ser	Gln	Lys	Thr	Ser	Ile	Pro	Leu	Val	Pro	Val	Gly	Ile	Ser	Tyr
65					70					75					80

Ser	Xaa	Lys	Trp	Ile	Leu	Lys	Lys	Thr	Trp	Asp	Lys	Xaa	Glu	Ile	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6667

85

90

95

Lys Pro Phe

&lt;210&gt; 7468

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7468

Thr Ser Glu Val Thr Leu Leu Gly Ile Glu Asn Ala Thr Thr Trp Xaa

1

5

10

15

Pro Xaa Glu Xaa Xaa

20

&lt;210&gt; 7469

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6668

&lt;400&gt; 7469

Val Lys Leu Arg Asp Xaa Gly Leu Ser Gly Arg Gly Phe Ala Thr Glu  
1 5 10 15

Met Thr Cys Met Trp Gln Pro Pro Glu Pro Glu Asp Met Gln Pro Arg  
20 25 30

Ala Glu Ser Glu Ala Asp Pro Leu Arg Ala His Ser Leu Pro Phe Pro  
35 40 45

Ser Arg Ile Pro Ser Ser Lys Gln Ala Ile Leu Lys Ser Leu  
50 55 60

&lt;210&gt; 7470

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7470

6669

Gln Gly Glu Ser Xaa Leu Thr Thr Xaa Xaa Xaa Trp Pro Ala Glu Gln  
 1 5 10 15

Ala Pro Xaa Arg Asn Ser Arg Val Asp Pro Arg Ala Phe His Pro Xaa  
 20 25 30

Ala

&lt;210&gt; 7471

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6670

&lt;400&gt; 7471

Xaa Asn Val Xaa Arg His Ala Leu Arg Xaa Leu Ile His Leu His Xaa  
1 5 10 15

Arg Val Ala Pro Ser Lys Leu Glu Ala Xaa Gln Lys Ala Leu Glu Pro  
20 25 30

Thr Gly Gln Ser Gly Ile Gly Ser Glu Xaa Ala Xaa Leu Pro  
35 40 45

&lt;210&gt; 7472

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6671

<400> 7472

Ala Ala Glu Cys Arg Gly Met Glu Gly Glu Pro Pro Trp Glu Gly Ala  
1 5 10 15

Arg Gly Leu Ala Glu Gln Leu Gly Gly Val Arg Glu Val Arg Arg Cys  
20 25 30

Pro Gly Gln Gly Ala Xaa Ala Leu Met Xaa Asp Ser Ser Xaa Gln Ser  
35 40 45

Xaa Gly Ala Met Arg Thr Ala Xaa Ala Xaa Glu Ser Gly Val Ala Ser  
50 55 60

Pro Pro Gln Ala Val Leu Ala Thr Gln Xaa His Tyr Pro  
65 70 75

<210> 7473

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7473

Leu Phe Thr Xaa Xaa Asp Ala Phe Arg Tyr Leu Ala Leu Met Trp Glu  
1 5 10 15

Glu Xaa Ile Asp Leu Xaa  
20

6673

&lt;400&gt; 7474

Xaa Ile Asn Gln Lys Asn Xaa Gly Gly Pro Pro Pro Glu Arg Ala Ser  
1 5 10 15  
Phe Leu Ala Leu Gly Xaa Gln Xaa Pro Pro Leu Lys Pro Phe Pro Ser  
20 25 30  
Phe Gln Pro Tyr Gly Pro Ser Gln Glu Gly Glu Glu Ser Pro Arg Ser  
35 40 45  
Xaa Xaa Gly Arg Lys Gln Ala Xaa Pro Trp Pro Pro Thr Gly Phe Lys  
50 55 60  
Asn Pro Lys Pro Lys Val Pro Leu Pro Leu Gly Ala Gln Gly Pro Xaa  
65 70 75 80  
Ile Xaa Lys Lys Trp Lys Asn Leu Glu Gln Leu  
85 90

&lt;210&gt; 7475

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6674

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7475

Xaa	Ser	Ile	Leu	Xaa	Ile	Pro	Phe	Ile	Xaa	Lys	Ala	Ser	Thr	Pro	Ala
1				5					10					15	

Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Leu	Ser	Val	Xaa	Val
			20					25					30		

Ala	Pro	Ser	Cys	Gly	Leu	Xaa	Xaa	Pro	Val	Xaa	Met	Ser	Ser	Xaa	Arg
			35				40					45			

&lt;210&gt; 7476

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7476

Xaa	Asn	Pro	Val	Lys	Ala	Cys	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe
1				5					10					15	

Pro	Gly	Arg	Pro	Thr	Arg	Pro	Xaa	Arg	Val	Arg	Pro	Arg	Val	Arg	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



## 6675

20

25

30

Arg

&lt;210&gt; 7477

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7477 .

Val Ser Thr Arg Leu Glu Thr Val Met Cys Pro Ala Trp Leu Ala Leu  
1 5 10 15

Ala Ser His Ser Ala Leu Cys Val Gln Gly Ala Ser Gly His Ser Asp  
20 25 30

Glu Asp Leu Val Thr Ser Ala Gln His Arg Arg Gln Val Glu Glu Asp  
35 40 45

Gly Lys Leu Arg Gly Phe Phe Arg Glu Lys  
50 55

&lt;210&gt; 7478

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6677

&lt;210&gt; 7480

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7480

Pro	Arg	Ser	Phe	Phe	Trp	Gly	Lys	Lys	Lys	Pro	Pro	Ser	Pro	Phe	Phe
1				5					10					15	

Gly	Gly	Lys	Lys	Xaa	Xaa	Xaa	Pro	Leu	Leu	Trp
			20					25		

&lt;210&gt; 7481

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7481

## 6678

Ala Xaa Ala Arg Ser Xaa Pro Phe Leu Gly Ala Trp Leu Met Trp Met  
1 5 10 15

Xaa Glu Gly Leu Gly Pro Leu  
20

<210> 7482

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

## 6679

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7482

Ile	Asp	Xaa	Cys	Ser	Leu	Pro	Ser	Xaa	Cys	Pro	Ser	Pro	Gly	Leu	His
1				5				10					15		

Ile	Leu	Thr	Gly	Leu	Xaa	Pro	Phe	Xaa	Gln	Met	Xaa	Val	Phe	Leu	Pro
			20					25					30		

Leu	Phe	Thr	Leu	Gln	Leu	Lys	Phe	Asn	Tyr	Leu	Lys	Xaa	Xaa	Xaa	Tyr
		35					40					45			

Xaa	Ser	Phe	Pro	Trp	Leu	Gln	Thr	Phe	Xaa	Leu	Pro	Leu	Arg	Leu	Lys
	50					55					60				

Leu	Xaa	Phe	Leu	Thr	Val	Tyr	Ser	Val	Gln	Leu	Pro	Thr	Phe	Leu	Xaa
65					70					75					80

<210> 7483

<211> 54

<212> PRT

<213> Homo sapiens

<400> 7483

Ser	Phe	Val	Ile	Gln	Gly	Gly	Gln	Glu	Lys	Gly	Tyr	Gly	Ala	Ala	Glu
1				5					10				15		

## 6680

Leu Ser Asn Ser Leu Arg Gln Glu Lys Arg Lys Glu Lys Met Tyr Ile  
                   20                  25                  30

Phe Lys Phe Gln Phe Lys Pro Leu Leu Val Thr Lys Cys Phe Asp Met  
                   35                  40                  45

Ile Ser His Thr Lys Ser  
                   50

&lt;210&gt; 7484

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7484

Gln Lys Lys Glu Leu Arg Ala Val Ser Met Glu Arg Arg Xaa Gly Cys  
       1                  5                  10                  15

Leu Ser Trp Leu Ala Leu Ser Leu Ala His Tyr Gln Lys Thr Ser Arg  
                   20                  25                  30

Glu Gln Leu Xaa Lys Gly Phe Gly Ile Lys Ile Cys Leu Lys Lys Tyr  
                   35                  40                  45

Pro Glu Ile Gly Phe Pro Ile Lys Thr Leu Pro Ile Phe Ser Lys Ile  
                   50                  55                  60

&lt;210&gt; 7485

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

6681

<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7485  
Leu Xaa Arg Lys Tyr Xaa Tyr Tyr Arg Val Ser Trp Tyr Ala Cys Arg  
1 5 10 15  
Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Xaa Xaa Asp Ala Xaa  
20 25 30  
Gly Glu Lys Leu Leu Ser Pro Gly Ala  
35 40

<210> 7486  
<211> 21  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

6682

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7486

Arg	Thr	Xaa	Xaa	Gln	Asp	Leu	Arg	Arg	Glu	Ile	Asp	Leu	Pro	Lys	Arg
1				5					10					15	

Asp	Arg	Phe	Xaa	Xaa
			20	

&lt;210&gt; 7487

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7487

Ala	Asn	Ser	Xaa	Ser	Thr	Pro	Asp	Tyr	Leu	Phe	Asp	Met	Gly	Gln	Xaa
1				5					10					15	

Xaa	Glu	Tyr	Xaa
			20

6683

&lt;210&gt; 7488

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7488

Met Thr Phe Xaa Thr Ser Xaa Xaa Lys Ala Tyr Arg Xaa

1

5

10

&lt;210&gt; 7489

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)



## 6684

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7489

Ala	Ser	Glu	Xaa	Gly	Glu	Leu	Ile	Pro	Pro	Ser	Lys	Pro	Ser	Leu	Gly
1				5				10						15	

Trp	Val	Gln	Trp	Xaa	Xaa
			20		

<210> 7490

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6685

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (66)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (72)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (77)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7490  
 Cys Tyr Ser Ser Glu Xaa Val Leu Pro Gln Xaa Pro Val Arg Asn Ser  
   1                  5                  10                  15  
  
 Arg Val Asp Pro Arg Val Arg Pro Arg Phe Ser Xaa Thr Xaa Leu Tyr  
           20                  25                  30  
  
 Arg Glu Lys Xaa Gly Leu Leu Trp Ala Ser Tyr Ala Glu Xaa Tyr Xaa  
           35                  40                  45  
  
 Arg Xaa Val Arg Lys Ile Met Met His Gln Leu Ser Ser Lys Ser Ser  
   50                  55                  60  
  
 Leu Xaa Leu Phe Thr Ala Leu Xaa Leu Leu Xaa Pro Xaa Ala Asp Gly  
   65                  70                  75                  80  
  
 Cys

<210> 7491  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

6686

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7491  
Xaa Cys Leu Tyr Tyr Tyr Ser Pro Ile Ile Xaa His Tyr Glu Ile Met  
1 5 10 15  
Ile Ile Gln Xaa Asp Ser Lys Xaa Tyr Asn Ile  
20 25

<210> 7492  
<211> 24  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 6687

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7492

Glu	Leu	Cys	Leu	Cys	Leu	Leu	Asn	Ile	Xaa	Xaa	Asn	Xaa	Trp	Phe	Thr
1				5					10					15	

Lys	Ile	Xaa	Arg	Lys	Arg	Gly	Lys
				20			

&lt;210&gt; 7493

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7493

Phe	Ser	Ser	Ile	Leu	Ala	Gly	Ser	Glu	Tyr	Ala	Thr	Xaa	Lys	Ile	Glu
1				5					10					15	

Thr	Ser	Lys	Ile	His	Ser	Met	Ser	Arg	Leu	Phe	Thr	Asp	Gly	Val	Thr
			20					25					30		

Lys	Asn	Asn	Glu	Val	Asn	Val	Val	Ala	Ser	Gly	Lys	Asn	Thr	Gly	Gly
			35					40					45		

Ile	Gly	Lys	Gly	Trp	Val	Gly	Gly	Leu	Leu	Phe	Phe	Ala	Phe	Ala	Pro
	50					55				60					

Leu	Ser	Ser	Phe	Val	Leu	Ser	Ser	Asn	Arg	His	Leu	Leu	Phe	Ala	Lys
65					70					75					80

His Met

&lt;210&gt; 7494

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

6688

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7494

Xaa Ile Leu Xaa Lys Leu Leu Thr Ile Val Lys Ala Gly Thr Pro Ala

1

5

10

15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Leu Pro Leu

20

25

30

Cys Gln Val Trp Trp Lys Xaa Gly Gln Xaa Xaa Lys Asn

35

40

45

<210> 7495

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6689

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7495

Asp Leu Tyr Tyr Xaa Xaa Ser Trp Tyr Xaa Cys Arg Tyr Arg Ser Gly

1

5

10

15

Ile Pro

&lt;210&gt; 7496

&lt;211&gt; 68

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6690

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7496

Ser	Pro	Xaa	Trp	Asp	Xaa	Cys	Xaa	Xaa	Arg	Ser	Gly	Xaa	Pro	Gly	Ser
1				5					10					15	

Thr	His	Ala	Ser	Ala	His	Ser	Val	Leu	Glu	Phe	Phe	Ser	Phe	Glu	Ser
			20					25					30		

Tyr	Val	Gly	Gly	Leu	Xaa	Asp	Tyr	Val	Ser	Ile	Lys	Leu	Met	Gly	Leu
		35					40					45			

Xaa	Gly	Ala	Pro	Xaa	Glu	Ser	Xaa	Xaa	Val	Leu	Asp	Asn	Leu	Leu	Ser
	50					55					60				

Ala	Leu	Leu	Cys
	65		

&lt;210&gt; 7497

&lt;211&gt; 94

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7497

Leu	Ala	Cys	Phe	Tyr	Asn	Phe	Ile	Phe	Gln	Ile	Leu	Thr	Thr	Thr	Ala
1				5					10					15	

Phe	Arg	Val	Val	Ile	Leu	Leu	Phe	Leu	Lys	Gln	Glu	Ile	Thr	Ile	Cys
		20					25					30			

Ile	Cys	Thr	Cys	Val	Leu	His	Met	Asn	Tyr	Gly	Ile	Leu	Gly	Lys	Cys
	35						40					45			

Phe	Ser	Phe	Thr	Cys	Glu	Asn	Ser	Glu	Ser	Trp	Ser	Lys	Leu	His	Cys
	50					55					60				

## 6691

Ile Pro Asn Cys Ala Leu Ile Tyr Tyr Leu His Arg Val Leu Phe Asn  
65 70 75 80

Gln Ile Ala Cys Phe Ser Phe Ile Ile Val Ser Phe Leu Leu  
85 90

<210> 7498

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7498

Xaa Pro Xaa Glu Thr Pro His Ser Xaa Xaa Gly Lys Leu Ala Arg Leu



## 6692

1	5	10	15
Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Phe Arg Arg Ser			
20	25	30	
Leu Pro Leu Val Lys Glu Gly Val Xaa Pro Glu Ser Xaa Xaa Ser			
35	40	45	

&lt;210&gt; 7499

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7499

Glu Phe Ala Leu Arg Ser Ala Ser Ile Leu Leu Ala Ser Xaa Cys Ile
1 5 10 15

Ala Phe Val Ile Arg Arg Thr Asn Ser Arg Leu Asn Met Lys Gly Phe
20 25 30

Ser Ser Val Ser Ser Lys Lys Ala Ser Leu Ser Ser His Leu Thr Ser
35 40 45

Asn Ser Phe Pro Val Cys Gln Leu Gln Ser Gln His
50 55 60

&lt;210&gt; 7500

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6693

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7500

Val	Leu	Ile	Ile	Leu	Arg	Gln	Arg	Trp	Val	Glu	Phe	Glu	Asn	Asn	Xaa
1				5				10					15		

Asn	Xaa	Pro	Phe	Val	Ile	Xaa	Pro	Phe	Thr	Met	Leu	Cys	Gln	Lys	Ile
			20				25					30			

Arg	Ile	Ser	Ile	Leu	Gly	Xaa	Xaa	Ile	Thr	Met
		35				40				

&lt;210&gt; 7501

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6694

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7501

Xaa	Leu	Asp	Asn	Pro	Xaa	Ser	Lys	Gly	Arg	Arg	Gln	Arg	Gln	Ala	Glu
1				5				10					15		

Glu	Ala	Glu	Ala	Xaa	Glu	Gly	Ala	Xaa	Glu	Lys	Gly	Xaa	Glu	Gly	Leu
			20					25					30		

Asn	Xaa	Gly
		35

&lt;210&gt; 7502

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7502

Arg	Pro	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Leu	Pro	Xaa	Arg
1				5				10					15		

## 6695

Xaa Phe Lys Pro Tyr Asn Lys Leu Lys Asn Arg Xaa Thr Xaa Asn Glu  
20 25 30

Asn Pro Glu Asn  
35

<210> 7503

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

## 6696

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7503

Lys	Gly	Arg	Lys	Xaa	Gln	Asp	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	Pro
1				5					10					15	

Leu	Pro	Arg	Thr	Xaa	Phe	Lys	Xaa	Ala	Thr	Xaa	Ser	Leu	Glu	Leu	Gly
			20						25					30	

Ala	Thr	Leu	Xaa	Xaa	Ala	Leu	Xaa	Ser	Ile	Xaa	Leu	Tyr	Gly	Thr	Xaa
			35						40					45	

Val	Tyr	Gln	Ile
			50

<210> 7504

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7504

Phe	Xaa	Thr	Gln	Gly	Xaa	Ala	Gly	Pro	Gly	Gly	Ala	Leu	Gly	Ser	Lys
1					5					10				15	

Pro	Ala	Xaa	Gln	Asp	Asp	Glu
						20

6697

&lt;210&gt; 7505

&lt;211&gt; 116

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (109)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (112)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (116)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7505

Trp	Gly	Phe	Val	Ser	Ala	Pro	Arg	Lys	Trp	Arg	Arg	Gly	Pro	Trp	Arg
1					5				10					15	

Pro	Leu	Pro	Arg	Gly	Gln	Arg	Arg	Thr	Pro	Ser	Pro	Pro	Leu	Gly	Ala
			20					25					30		

Pro	Ala	Ala	Gly	Pro	Ala	Pro	Pro	Pro	Ala	Pro	Ser	Leu	Thr	Arg	Leu
		35					40					45			

Ser	Pro	Pro	Leu	Xaa	Pro	Leu	Glu	Thr	Leu	Ala	Ile	Leu	Phe	Arg	Gly
	50					55					60				

Leu	Leu	Asp	Arg	Pro	Cys	Tyr	Leu	Gln	Arg	Val	Cys	Arg	Ala	Arg	Glu
65					70				75						80

6698

Thr Arg Asp Arg Arg Pro Xaa Ser Gly Xaa Ser Trp Gly His Leu Gly  
85 90 95

Lys Asp Ala Asp Ala Ser Leu Glu Leu Ala Leu Ala Xaa Gly Ser Xaa  
100 105 110

Phe Thr Ala Xaa  
115

&lt;210&gt; 7506

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6699

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7506

Arg	Pro	His	Xaa	Lys	Asn	Xaa	Xaa	Lys	Xaa	Pro	Leu	Xaa	Val	Pro	Val
1				5				10					15		

Arg	Xaa	Xaa	Arg	Asp	Val	Pro	Arg	Asp	Leu	Phe	Lys	Arg	Lys	Xaa	Asn
			20					25					30		

&lt;210&gt; 7507

&lt;211&gt; 109

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (100)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7507

Gly	Pro	Pro	Pro	Arg	Cys	Cys	Ser	Pro	Arg	Asn	Ser	Thr	Ala	Phe	Glu
1				5				10					15		



## 6700

Tyr Leu Glu Glu Phe Pro Ile Gln Met Leu Ala Gln Leu Glu Thr Leu  
                   20                  25                  30  
 Thr Gly Arg Lys Ala Lys His Gly Leu Phe Ala Ser Thr Trp Asn Met  
                   35                  40                  45  
 Ala Glu Ile Ser Leu Ala Pro Thr Arg Thr Ser Ser Leu Met Thr Gly  
                   50                  55                  60  
 Leu Trp Gly Thr Gln Lys Met Pro Gly Ser Leu Thr Phe Phe Ile Leu  
                   65                  70                  75                  80  
 Xaa Ser Thr Thr Ile Asp Thr Xaa Pro Pro Xaa Ser Arg Ser Leu Pro  
                                   85                                  90                                  95  
 Ser Pro Thr Xaa Gly Leu Leu Lys Thr Xaa Arg Cys Lys  
                   100                                  105

&lt;210&gt; 7508

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7508

Asn Val Ile Ser Ser Cys Asn Gln Tyr Lys Val Ile Lys Met Phe Ser  
           1                  5                  10                  15  
 Cys Gln Ile Leu Asn Leu Val Cys Asn Phe Ile Leu Ser Thr Ser Gln  
                   20                  25                  30  
 Ala Ile Cys Gln Met Leu Gly Ser Arg Met Trp Leu Gly Asp Tyr Arg  
                   35                  40                  45  
 Met Gly Gln Cys Arg Ser Arg Ile Trp  
           50                  55

&lt;210&gt; 7509

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6701

```
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids
```

<400> 7509  
Xaa Phe Lys Asn Arg Thr Ser Thr Thr Arg Tyr Gly Xaa Xaa Leu Lys  
1 5 10 15

Lys Gln

```
<210> 7510
<211> 43
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids
```

<400> 7510  
Ala Ser Asn Lys Leu Ala Leu Lys Xaa Ile Lys Gln Lys Tyr Asn Tyr  
1 5 10 15

## 6702

Lys Glu Lys Leu Ala Asn Xaa His Leu Gln Trp Glu Asn Cys Ile Xaa  
                   20                  25                  30

Leu Ser Xaa Asn Xaa Arg Thr Ser Lys Gln Asn  
           35                  40

<210> 7511

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7511

Ala Ala Xaa Lys Ser Gly Xaa Asn Xaa Arg Gly Leu Ser Leu Val Ala  
   1                  5                  10                  15

His Ile Trp Tyr Leu Ile Gly Tyr Lys Leu Glu Leu Phe Ala Asn Xaa  
           20                  25                  30

<210> 7512

<211> 17

<212> PRT

<213> Homo sapiens

## 6703

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7512

Arg Phe Phe Ser Lys Val Lys Met Asp Xaa Gly Leu Xaa Arg Xaa Phe

1

5

10

15

Xaa

&lt;210&gt; 7513

&lt;211&gt; 129

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6704

<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)

## 6705

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6706

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (93)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (96)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (109)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (114)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (125)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (126)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (129)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7513

Xaa	Xaa	Thr	Pro	Asp	Gly	Ile	Xaa	Lys	Thr	Pro	Ser	Arg	Arg	Asn	Pro
1				5					10					15	

Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Xaa	Pro	Gly	Arg	Pro	Thr	Leu
		20						25						30	

Phe	Ala	Xaa	Pro	Xaa	Xaa	Gly	Xaa	Pro	Arg	Xaa	Gly	Ser	Lys	Lys	Arg
		35						40					45		

Thr	Xaa	Arg	Thr	Gly	Thr	Gln	Thr	Xaa	Thr	Xaa	Xaa	Asn	Ala	Glu	Arg
		50					55					60			

Gly	Xaa	Xaa	Thr	Ser	Xaa	Ala	Ser	Pro	Arg	Xaa	His	Xaa	His	Xaa	Ser
65						70					75				80

6707

Xaa Pro Xaa Xaa Xaa Pro Xaa Lys Leu Arg Arg Ala Xaa Arg Thr Xaa  
                             85                            90                            95  
  
 Ser Arg Pro Ser Gly Ala Lys Gly Met Gln Gly Thr Xaa Pro Gly Tyr  
                             100                            105                            110  
  
 Gln Xaa Gly Asp Pro Arg Arg Thr Gln Met Lys Gln Xaa Xaa Thr Glu  
                             115                            120                            125  
  
 Xaa

&lt;210&gt; 7514

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;



6708

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7514

Lys	Lys	Gln	Glu	Thr	Xaa	Pro	Asn	Xaa	Ala	Lys	Asn	Ile	Arg	Ala	Gly
1				5				10					15		

Xaa	Ala	Arg	Xaa	Asn	Gly	Arg	Thr	Asp	Gly	Xaa	Asp	Gly	Asn	Gln	Pro
		20					25						30		

Lys	Ala	Asp	Thr	Gly	Arg	Xaa	Asp	Xaa	Lys	Ala
		35					40			

&lt;210&gt; 7515

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7515

Ile	Gly	Lys	Thr	Xaa	Thr	Xaa	Pro	Xaa	Lys	Pro	Leu	Thr	Ile	Phe	Glu
1				5				10					15		

Xaa	Lys	Gly	Pro	Pro	Ala	Gly	Thr	Gly	Pro	Xaa	Phe	Pro	Gly	Arg	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6709

20

25

30

&lt;210&gt; 7516

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7516

Pro	Asp	Pro	His	Thr	Pro	Xaa	Gly	Glu	Lys	Xaa	Pro	Xaa	Pro	Gln	Thr
1					5				10					15	

Ile	Arg	Gln	Glu	Ile	Thr	Gln	Gly	Tyr	Thr	Glu	Lys	Ile	Tyr	Pro	Glu
			20					25						30	

Arg	Tyr	Xaa	Thr	Pro	Thr
					35

&lt;210&gt; 7517

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 6710

<222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7517  
 Xaa Ala Ala Ser Xaa Glu His Arg Pro Arg Thr Lys Thr Arg Thr Thr  
       1                  5                  10                  15  
 Gly Thr Thr Pro Thr Glu Leu Lys Arg Arg Thr Ser Arg Lys Thr Xaa  
                   20                  25                  30  
 Xaa Thr Glu Thr Xaa Lys  
           35  
  
 <210> 7518  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>

## 6711

<221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7518  
 Val Ser Xaa Xaa Xaa Xaa Pro Glu Asp His Xaa Thr Ala Arg Met Leu  
       1                      5                      10                      15  
  
 Met Val Ile Cys Ile Lys Met Asn Asn Phe  
                   20                      25  
  
  
 <210> 7519  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7519  
 His Asn Thr Tyr His Arg Glu Asn Arg Xaa Ala Arg Arg Xaa Arg Ser  
       1                      5                      10                      15

## 6712

Gly Xaa Pro Gly Ser Thr His Ala Phe Xaa Pro Asn Met Ala Gly Gln  
                   20                  25                  30

Asp Gly Gly  
               35

<210> 7520

<211> 105

<212> PRT

<213> Homo sapiens

<400> 7520

Leu Gly Lys Lys Ala Glu Gln Leu Ser Ser Arg His Ile Pro Ala Gly  
   1                  5                  10                  15

Trp Gly Pro His Ser Arg Lys Gly Leu Asp Trp Leu Ser Phe Pro Val  
                   20                  25                  30

Ala Trp Leu Arg Cys Val Asp Gly Glu Ile Gly Ala Arg Gly Arg Thr  
           35                  40                  45

Leu Val Arg Lys Leu Gln Ser Cys Ser Leu Pro Ser Pro Ser Cys Leu  
   50                  55                  60

His Gly Ala Ser Gly Gly Leu Trp Ala Ser Ser Asn Arg Gly Trp Trp  
   65                  70                  75                  80

Ala Pro Arg Ala Asn Gly Val Asp Pro Trp Leu Val Arg Ala Lys Ser  
                   85                  90                  95

His Arg Leu Leu Leu Gly Lys Gly Phe  
           100                  105

<210> 7521

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

## 6713

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7521

Gly	Met	Ala	Asp	Leu	Leu	Glu	Ser	Ser	Cys	Pro	Phe	Thr	Glu	Ser	Gly
1				5					10					15	

Gly	Thr	Leu	Phe	His	Ser	Ser	Xaa	Thr	Gly	Arg	Cys	Leu	Xaa	Phe	Phe
			20					25					30		

Phe	Leu	Ile	Ser	Leu	His	Arg	Glu	Arg	Glu	Leu	Phe	Pro	Lys	Thr	His
			35				40					45			

Phe	Ile	Phe	Leu	Leu	Ala	Met	Xaa	Ser	Ala	Arg	Val	Lys	Lys	Phe	Leu
	50					55					60				

Lys	Ser	Asn
65		

<210> 7522

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 6714

<221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7522  
 Xaa Asn Phe Tyr Asp Leu Leu Leu Phe Xaa Lys Xaa Val Pro Leu Xaa  
       1                  5                  10                  15  
  
 Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Leu Thr Gly Glu  
                   20                  25                  30  
  
 Gly Met Asp Glu Met Glu Phe Thr Xaa Val Gly Cys Xaa Thr Xaa  
           35                  40                  45  
  
  
 <210> 7523  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids

## 6715

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7523

Val	Xaa	Val	Leu	Asp	Arg	Glu	Arg	Pro	Pro	Xaa	Phe	Phe	Leu	Ile	Phe
1				5				10					15		

Phe	Phe	Xaa	Phe	Phe	Gly	Ile	Ile	Asn	Ile	Ser	Phe	Glu	Met	His	Ile
			20					25					30		

Xaa	Xaa	Glu
		35

&lt;210&gt; 7524

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7524

Leu	Leu	Cys	Leu	Arg	Asn	Ser	Lys	Arg	Phe	Val	Leu	Xaa	Ala	Ser	Arg
1				5				10						15	

Arg	Ile	Gly	Thr	His	Met	Gly	Leu	Asp	Val	Arg	Phe	Cys	Arg	Pro	Glu
			20					25					30		

Pro	Ser	Gln	Gly	Ser	Trp	His	Val	Phe	Leu	His	Leu	Cys	Arg	Leu	Thr
		35					40					45			

Glu	Met	Ser
		50

&lt;210&gt; 7525

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



## 6716

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 6717

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7525

Lys	Xaa	Gly	Glu	Ile	Trp	Gly	Gly	Xaa	Pro	Leu	Lys	Gly	Gly	Lys	Lys
1				5					10					15	

Phe	Gly	Glu	Leu	Pro	Gln	Xaa	Gln	Phe	Leu	Leu	Pro	Thr	Leu	Xaa	Phe
			20					25					30		

Xaa	Gly	Glu	Lys	Thr	Gln	Thr	Pro	Xaa	Ile	Xaa	Gly	Gly	Xaa	Leu	Lys
			35				40					45			

Pro	Xaa	Pro	Pro	Arg	Xaa	Xaa	Gln	Thr	Ser	Gly	Xaa	Val	Ser	Phe	Gly
	50					55					60				

Lys	Pro	Asn	Phe	Xaa	Pro	Xaa	Val	Ser	Ile	Xaa	Xaa	Leu	Gly	Asn	Phe
65					70					75				80	

&lt;210&gt; 7526

&lt;211&gt; 69

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6718

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7526

Ser Thr Xaa Val Gly Thr Ala Ala Xaa Leu Pro Gly Pro Thr His Ala  
1 5 10 15

Ser Gly Gly Arg Thr Pro Glu Pro Trp Ala Leu Leu Gly Met Pro Leu  
20 25 30

Asn Pro Val Ser Phe Thr Asp Ser Leu Gly Leu Ser Ser Leu Asp Ser  
35 40 45

Arg Pro Pro Thr Val Thr Val Ser Val Phe Phe Ala Ala Glu Leu Val  
50 55 60

His Arg Asp Asp Gly  
65

&lt;210&gt; 7527

&lt;211&gt; 85

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

## 6719

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7527

Ile	Ile	Thr	Val	Arg	Val	Arg	Asp	Arg	Arg	Gln	Ser	Leu	Ser	Thr	Leu
1				5					10					15	

Cys	Xaa	Ser	Leu	Lys	Glu	Xaa	Gln	Leu	Gly	Ile	Gln	Glu	Trp	Lys	Asn
			20					25					30		

Thr	Glu	Ser	Gln	Pro	Phe	Phe	Phe	Leu	Phe	Lys	Thr	Lys	Thr	Lys	Phe
			35				40					45			

Ile	Leu	Gly	Met	Val	Ser	Ser	Xaa	Leu	Glu	Cys	Xaa	Arg	Glu	Lys	Lys
	50					55					60				

Arg	Xaa	Phe	Pro	Arg	His	Tyr	Leu	Lys	Ile	Asn	Ser	Phe	His	Leu	Asn
65					70					75					80

Xaa	Gly	Pro	Xaa	Trp
				85

<210> 7528

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

## 6720

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7528

Gly	Leu	Gln	Glu	His	Pro	Thr	Ser	Val	Leu	Leu	Asp	His	Xaa	Ala	Leu
1				5				10					15		

Asp	Cys	Asp	Pro	Xaa	Arg	Xaa	Phe	Cys	Pro	Ala	Leu	Arg	Thr	His	Ser
			20				25						30		

Ala	Val	Leu	Glu	Asn	Ser	Ala	His	Val	Cys	Arg
		35					40			

<210> 7529

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6721

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7529

Xaa	Trp	Leu	Ser	Lys	Pro	Xaa	Cys	Cys	Glu	His	Ser	Gly	Leu	Xaa	Lys
1				5					10					15	

Lys	Pro	Arg	Glu	Asp	Ser	Gly	Xaa	Trp	Thr	Lys	Arg	Ala	Val	Lys	His
			20					25					30		

Ser	Trp	Ala	Cys	Ala	Pro	Arg	Xaa	Pro	Xaa	Leu	Gly
			35					40			

&lt;210&gt; 7530

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7530

Gly	Trp	Leu	Lys	Cys	Thr	Thr	Leu	Arg	Xaa	Xaa	Asn	Gln	Xaa	Thr	Leu
1				5					10					15	

Xaa Ala

&lt;210&gt; 7531

&lt;211&gt; 36

## 6722

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7531

Xaa	Leu	Gln	Ala	Leu	Asn	His	His	Val	Gln	Pro	Arg	Ile	Ser	Leu	Xaa
1				5				10					15		

Ser	Leu	Val	Glu	Gly	Leu	Phe	Leu	Arg	Xaa	Glu	Leu	Thr	Gln	Xaa	His
			20					25					30		

Met	Leu	Ile	Xaa
			35

&lt;210&gt; 7532

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6723

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (85)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7532

Glu	Lys	Asn	Lys	Lys	Ser	Gly	Glu	Ser	Ser	Ser	Xaa	Leu	Ser	Gln	Glu
1				5					10					15	

Gln	Lys	Ser	Val	Phe	Asp	Glu	Asp	Leu	Gln	Lys	Lys	Ile	Glu	Glu	Asn
			20					25					30		

Glu	Arg	Leu	His	Ile	Gln	Phe	Phe	Glu	Ala	Asp	Glu	Gln	His	Lys	His
		35					40					45			

Val	Glu	Ala	Glu	Leu	Xaa	Ser	Arg	Leu	Val	Thr	Leu	Glu	Thr	Glu	Ala
	50					55				60					

Xaa	Gln	His	Gln	Ala	Val	Val	Asp	Gly	Leu	Thr	Arg	Lys	Xaa	Xaa	Glu
65					70					75					80

Thr	Ile	Glu	Lys	Xaa	Gln	Asn	Asp	Lys	Val	Lys	Leu	Glu
				85					90			

&lt;210&gt; 7533

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7533



## 6724

Lys Ile Tyr Leu Pro Cys Leu Lys Phe Val Gly Leu Leu Ile Gln Cys  
1 5 10 15

Gly Leu Met Phe Leu Leu Ser Leu Thr Ala Thr Phe Tyr Asn Gln Cys  
20 25 30

Arg Ala Trp Ile Trp His Tyr Glu Val Phe Cys Leu Gly Gly Thr Tyr  
35 40 45

Arg Arg Ala Thr  
50

<210> 7534

<211> 40

<212> PRT

<213> Homo sapiens

<400> 7534

Tyr Ser Phe Tyr Val Cys Tyr Pro Ser Val Ser Ser Pro His Phe Ser  
1 5 10 15

Phe Leu Gly Leu Lys Gly Phe Phe Ser Thr Leu Tyr Met Cys Val Val  
20 25 30

Ile Phe Gly Phe Cys Tyr Ile Leu  
35 40

<210> 7535

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

6725

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7535

Xaa	Glu	Met	Tyr	Ser	Ser	Pro	Ile	Tyr	Lys	Gln	Ile	Leu	Phe	Tyr	Leu
1				5					10					15	

Lys	Xaa	Asn	Xaa	Tyr	Arg	Thr	Ser	Pro	Xaa	Met	Ala	Thr	His	Thr	Val
		20						25					30		

Cys	Val	Ser	His
			35

&lt;210&gt; 7536

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7536

Pro	Thr	Asn	Ala	Lys	Thr	Lys	Leu	Phe	Phe	Leu	Tyr	Leu	Phe	Xaa	Ile
1				5				10						15	

Lys	Xaa	Asn	Glu	Lys	Asp	Pro	Phe	Gln	Lys	Gly	Asp	Pro	Glu	Asn	Lys
		20						25					30		

Thr	Asn	Thr	Pro	Val	Phe	Cys	His	Cys	Phe	Ser	Gln	Leu	Ser	Tyr	Leu
		35					40					45			

Lys	Thr	Val	Ile	Pro	Lys
					50

&lt;210&gt; 7537

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 6726

&lt;400&gt; 7537

Gly Gly Arg Val Gln Asp Leu Val Val Tyr Lys Ile Gly Phe Leu Ile  
 1 5 10 15  
 His Leu Glu Asn Phe Tyr Phe Gly Ile Thr Asp Glu Met Ile Arg Phe  
 20 25 30  
 Val Tyr Asp Glu Gly Val Ile Cys Gly His Lys Phe Lys  
 35 40 45

&lt;210&gt; 7538

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7538

Ile His Arg Ala Ser Thr Trp Val Val Ser Val Pro His Arg Gln Arg  
 1 5 10 15  
 Ser Val Pro Leu His Phe Ser Ile Tyr Ser Ser Ser Lys Ile Val Ser  
 20 25 30  
 Phe Glu Ile Phe Phe Asn Cys Ile Ile Gly Arg Leu Ile Asn Lys Pro  
 35 40 45  
 Glu Arg Arg Lys Asn Asn Glu Val Gly Arg Ala Ser Cys Ser Ala Ser  
 50 55 60  
 Gly Leu Tyr Ser Lys Ala Ile Leu Asp Cys Gly Cys  
 65 70 75

&lt;210&gt; 7539

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6727

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7539  
 Pro Pro Glu Asn Thr Thr Ile Phe Gln Ala Gly Thr Pro Xaa Gly Thr  
       1                  5                  10                  15  
 Gly Pro Glu Phe Pro Gly Arg Pro Ile Xaa Xaa Leu Xaa Lys Lys Lys  
                   20                  25                  30

Lys Xaa

<210> 7540  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids

6728

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (83)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7540

Lys	Thr	Phe	Gly	Asp	His	Asp	Lys	Phe	Trp	Ile	Lys	Thr	Phe	Cys	Tyr
1				5					10					15	

Phe	Ala	Cys	Lys	Leu	Xaa	Tyr	Xaa	Xaa	Pro	Asp	Trp	Pro	Xaa	Xaa	Gly
			20					25					30		

Thr	Xaa	Ile	Asn	Thr	Cys	Pro	Phe	Xaa	Gly	Phe	His	Thr	Ile	Thr	Thr
			35				40					45			

Ser	Thr	Arg	Asn	Ser	Arg	Trp	Pro	Lys	Leu	Lys	Val	Lys	Ile	Leu	Lys
			50			55					60				

His	Ile	Gly	Phe	Ser	His	Ala	Met	Cys	Trp	Val	Gln	Thr	Met	Leu	Val
65					70					75					80

Asn	Xaa	Xaa	Xaa	Pro	Met	Val	Met	Thr	Asp						
				85					90						

6729

&lt;210&gt; 7541

&lt;211&gt; 116

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7541

Met Val Gly Ile Gly Thr Ser Asp Val Asp Leu Asp Lys Tyr Arg His  
1 5 10 15

Thr Phe Cys Ser Leu Leu Gly Arg Asp Glu Asp Ser Trp Gly Leu Ser  
20 25 30

Tyr Thr Gly Leu Leu His His Lys Gly Asp Lys Thr Ser Phe Ser Ser  
35 40 45

Arg Phe Gly Gln Gly Ser Ile Ile Gly Val His Leu Asp Thr Trp His  
50 55 60

Gly Thr Leu Thr Phe Phe Lys Asn Arg Lys Cys Ile Gly Val Ala Ala  
65 70 75 80

Thr Lys Leu Arg Gly Arg Glu Pro Gly Trp Ser Pro Arg Cys Cys Ser  
85 90 95

His Arg Ala Ser Val Phe Pro Asn Leu Leu Cys Met Leu Ser Ala Ala  
100 105 110

Ala Pro Pro Ser  
115

&lt;210&gt; 7542

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

## 6730

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7542

Lys Arg Met Lys Asp Lys Val Val Ala Leu Xaa Gln Asp Pro Leu Val  
1 5 10 15

Val Thr Xaa Thr Ala Cys Pro Gly Arg Leu Xaa Xaa Thr Glu Cys Leu  
20 25 30

Asp Ile Ile Leu Leu Met  
35

<210> 7543

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7543

His Thr Leu Cys Val Val Leu Gly Lys Leu His Ser Leu Ser Gln Pro  
1 5 10 15

Leu Ser Phe Thr Phe Pro Leu Cys Glu Ile Ser Arg Phe Leu Thr Tyr  
20 25 30

Leu Tyr Tyr Gly Phe Leu Leu Lys Tyr Asp Glu Ser Cys Arg Leu Ser  
35 40 45

Ile Pro Lys Lys Lys Lys Asn Glu Gln Ile Cys Ile His Lys Arg Phe  
50 55 60

Tyr Lys Ser Ile Ser Gly Gly His Glu Pro Thr Pro Asp Thr His Xaa  
65 70 75 80

Thr Pro Trp Asp Leu Leu Ser Phe Gln Val  
85 90

<210> 7544

## 6731

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (85)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (98)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7544

Pro	Gly	Cys	Leu	Phe	Leu	Gln	Arg	Trp	Phe	Trp	Leu	Val	Arg	Val	Leu
1				5					10					15	

Leu	Ser	Leu	Phe	Ile	Gly	Ala	Glu	Ile	Val	Gly	Glu	Cys	Val	Val	Gln
			20					25					30		

Pro	Met	Gly	Arg	Gly	Arg	Gly	Glu	Glu	Gly	Gly	Gly	Gln	Arg	Ala	Pro
		35					40					45			

Gly	Thr	Ile	Gly	Asn	Trp	Gly	Trp	Phe	Ser	Ala	Pro	Ser	Ser	His	Ser
	50					55					60				

Xaa	Ala	Pro	Ser	Arg	Ala	His	Phe	Leu	Ala	Leu	Thr	Met	Gln	Pro	His
65					70					75					80

Trp	Thr	Ser	Lys	Xaa	Pro	Ser	Xaa	Leu	Gln	Cys	Pro	Thr	Phe	His	Thr
				85					90					95	

Thr Xaa

&lt;210&gt; 7545

&lt;211&gt; 15

&lt;212&gt; PRT



6732

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7545

Ser	Xaa	Pro	Ser	His	His	Met	Arg	Leu	Phe	Gly	Leu	Leu	Xaa	Ala
1				5				10					15	

&lt;210&gt; 7546

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7546

Val	Gly	Cys	Ser	Asp	Asp	Phe	Gly	Phe	Leu	Ser	Lys	Asn	Asp	Gly	Ser
1				5					10					15	

His	Thr	Val	Ile	Pro	Ala	Pro	Asn	Cys	Cys	Thr	Glu	Lys	Arg	Val	Asn
			20					25						30	

Ala	Ala	Arg	Val	Gly	Gly	Arg	Trp	Ala	Val	Ser	Trp	Gly	Val	Met	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

## 6733

35                      40                      45  
 Ile Thr Tyr Ala Arg Asp Gln Gly Cys Gly Arg Glu Xaa Xaa Phe Ser  
      50                      55                      60  
 Xaa Xaa Gly  
      65

<210> 7547  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 7547  
 Leu Asn Leu Ala Arg Asn Lys Asp Leu Ile Ser Val Phe Lys Tyr Ile  
      1                      5                      10                      15  
 Tyr Met Ala Leu Trp Ser Gly Phe Trp Thr Ser Lys Ala Ala Tyr Leu  
                          20                      25                      30

Ala

<210> 7548  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7548  
 Phe Cys Thr Leu Ser Thr Thr Gln Ala Gln Ala Gln Gly Arg Thr Xaa  
      1                      5                      10                      15

## 6734

Asp Xaa Xaa

&lt;210&gt; 7549

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (86)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7549

Phe	Ala	Ile	Tyr	Asn	Ser	Ser	Gly	Glu	Xaa	Ile	Asn	Asn	Ile	Lys	Tyr
1				5					10					15	

Tyr	Asp	Gly	Phe	Met	Gly	Gln	Arg	Val	Gly	Ala	Ile	Ser	Cys	Leu	Ala
			20					25					30		

Phe	His	Pro	His	Trp	Pro	His	Leu	Ala	Val	Gly	Ser	Asn	Asp	Tyr	Tyr
		35					40					45			

Ile	Ser	Val	Tyr	Ser	Val	Glu	Lys	Pro	Cys	Gln	Ile	Ser	Gly	Val	Thr
	50					55					60				

Pro	Gly	Pro	Pro	Gly	His	Gly	Arg	Leu	Leu	Tyr	Ile	Val	Lys	Leu	Ser
65					70					75					80

Leu	Xaa	Gly	Ala	Arg	Xaa	Val	Gly	Cys	Cys	Gly	Pro	Ala	Val	Xaa	Thr
				85					90					95	

Val	Gly	Cys	Cys	Leu	Ser	Cys
				100		

6735

<210> 7550  
<211> 28  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7550  
Phe Arg Gly Xaa Glu Pro Gly Arg Gln Ser Ser Gly Xaa Asp Leu Ser  
1 5 10 15

Xaa Ile Leu His Gly Cys Gln Val Arg Val Xaa Pro  
20 25

<210> 7551  
<211> 24  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

6736

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7551

Ala	Xaa	Xaa	Pro	Ala	Cys	Pro	Ser	Ser	Met	Trp	Pro	Pro	Trp	Thr	Phe
1				5					10					15	

Cys	Ile	Gln	Ser	Leu	Xaa	Cys	Pro
				20			

&lt;210&gt; 7552

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7552

Xaa	Leu	Gln	Xaa	Asn	Leu	Ala	Thr	Ile	Trp	Lys	Ala	Gly	Arg	Leu	Gln
1				5					10					15	

Val	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Xaa	Gly	Arg	Val
			20					25					30		

Gly	Tyr	Phe	Leu	Asn	Lys	Pro	Xaa
			35				40

6737

&lt;210&gt; 7553

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7553

Phe	Ile	Tyr	Leu	Tyr	Ala	Ser	Arg	Phe	Tyr	Ser	Leu	Leu	Tyr	Ile	Cys
1				5					10					15	

Tyr	Ser	Ser	Lys	Lys	Lys	Arg	Lys	Lys	Asn	Pro	Phe	Phe	Leu	Gln	Arg
			20					25					30		

Tyr	Xaa	Leu	Leu	Tyr	Leu	Xaa	Ile	Thr	Asn	Leu	Asn	Met	Xaa	Thr	Glu
	35						40					45			

&lt;210&gt; 7554

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6738

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7554

Ala	His	Ala	Ser	Gly	Arg	Val	Xaa	Gly	Ile	Lys	Gly	Xaa	Ile	Xaa	Leu
1						5				10				15	

Xaa

&lt;210&gt; 7555

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6739

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7555

Pro Gly Phe Xaa Gly Gly Xaa Phe Ser Xaa Xaa His Phe Gln Lys Pro  
1 5 10 15

Arg Leu Gly Leu Leu Gly Asn Arg Gly Lys Asn Pro Leu Gly Gln Ala  
20 25 30

Phe Arg Phe Ser Leu Ala Asn Xaa Pro Arg Gly Xaa Xaa Ala Pro  
35 40 45

&lt;210&gt; 7556

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7556

Ala Phe Pro Lys Gly Xaa Ser Arg Ser Cys Arg Xaa Xaa Arg Leu Thr  
1 5 10 15

Arg Pro Leu

&lt;210&gt; 7557

&lt;211&gt; 68



## 6740

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7557

Val	Leu	Pro	Ser	Tyr	Leu	Gln	Val	Leu	Thr	Leu	Pro	Gly	Xaa	Leu	Pro
1				5				10						15	

Asn	Met	Thr	Leu	Asp	Thr	Val	Ser	Leu	Arg	Leu	Leu	Gly	Tyr	Gln	Asp
			20					25					30		

Gln	Asn	Gln	Glu	Gly	Lys	Arg	Ile	Lys	Ile	Tyr	Arg	Val	Ser	Phe	Arg
		35					40					45			

Val	Leu	Ala	Trp	Ser	Phe	His	Tyr	Gln	Leu	Cys	Lys	Ile	Gly	Ile	Ile
	50					55					60				

Asp	Pro	Ile	Leu
	65		

&lt;210&gt; 7558

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6741

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7558  
 Thr Met Thr Trp Ser Arg Gln Ser Xaa Leu Trp Leu Gly Thr Leu Xaa  
       1                  5                  10                  15  
 Pro Thr Ile Asn Asn Xaa Trp Leu Lys Xaa Phe Pro Val Thr Val His  
                   20                  25                  30  
 Phe Gln Val Gly Lys Cys Xaa Val Leu Xaa Xaa Phe Phe Phe Ser Asn  
           35                  40                  45  
 Xaa Lys Arg Thr Ile Xaa Leu Lys Lys Lys Lys  
       50                  55

<210> 7559  
 <211> 91  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (66)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 6742

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (77)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7559

Gly	Ser	Ala	Leu	Gly	Phe	Gln	Ser	Leu	Ser	Ala	Val	Ala	Val	Pro	Phe
1				5				10						15	

Ala	Gly	Thr	Ala	Gly	Ser	Pro	Gly	Pro	Leu	Arg	Ser	Thr	Arg	Ser	Cys
			20					25					30		

Tyr	Ala	Tyr	Arg	Gly	Arg	Ile	Cys	Arg	Ala	Ser	Pro	Arg	Val	Glu	Gly
		35					40					45			

Pro	Leu	Gln	Val	Phe	Thr	Ala	Cys	Pro	Arg	Ser	Lys	Gly	Ser	Ser	Ala
	50					55					60				

Arg	Xaa	Arg	Xaa	Met	Ala	Leu	Gly	Gln	Arg	Phe	Leu	Xaa	Met	Gly	Asn
65					70					75					80

Trp	Xaa	Phe	Gly	Pro	Trp	Ala	Arg	Ala	Gly	Gly
				85					90	

&lt;210&gt; 7560

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6743

<221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7560  
 Gly Gln Thr Leu Xaa Lys Val Xaa Arg Val Pro Lys Xaa Xaa Trp Glu  
     1                    5                    10                    15  
  
 Phe Phe Gln Gly Gly Arg Pro Leu Thr Pro Trp Glu Lys Lys Lys Asn  
                     20                    25                    30  
  
 Leu Gly Lys Thr Thr Arg Glu Pro Thr Xaa Gly Gly Leu Xaa Phe Asn  
           35                    40                    45  
  
 Arg Gly Arg Arg Gly  
       50  
  
  
 <210> 7561  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE

## 6744

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7561

His	Thr	His	Phe	Ile	Asn	Gly	His	Xaa	His	Phe	Asp	Lys	Gly	Gly	Lys
1				5				10					15		

Lys	Phe	Asn	Ser	Xaa	Phe	Xaa	Lys	Val	Gln	Gly	Leu	Gly	Leu	His	Ser
			20				25						30		

Glu	Ser	Leu	Pro	Xaa	Ala	Pro	Thr
		35				40	

&lt;210&gt; 7562

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6745

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7562

Asp	Xaa	Lys	Ser	Ser	Arg	Xaa	Xaa	Xaa	Ala	Gly	Phe	Leu	Gln	Gly	Tyr
1				5				10						15	

Ser	Val	Phe	Asp	Glu	Thr	Gln	Leu	Gly	Met	Thr	Tyr	Ser	Pro	Ser	Pro
			20					25					30		

His	Ser	Tyr	Leu	Ser	Phe	Ile	Lys	Asn	Phe	Ile	Val	Thr	Val	Ser	Met
		35					40					45			

Leu	Pro	Ser	Xaa	Xaa	Xaa	Asn	Pro	Xaa
	50					55		

&lt;210&gt; 7563

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6746

<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (69)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (81)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (83)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (102)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (104)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7563  
Arg Lys Thr Cys Thr Ile Xaa Ser Gly Lys Val Leu Leu Gly Val Pro  
1 5 10 15  
Val Arg Asn Ser Xaa Val Asp Pro Arg Val Arg Leu Arg Val Arg Ala  
20 25 30  
Ala Ala Glu Ala Met Gly Leu Xaa Xaa Gly Arg Ser Cys Pro Glu Pro

6747

	35		40		45														
Ala	Thr	Ala	Leu	Xaa	Gln	Xaa	Ala	Ser	Phe	Ser	Xaa	Leu	Pro	Ser	Pro				
	50					55					60								
Arg	Leu	Pro	Arg	Xaa	Gly	Tyr	Pro	Gln	Pro	Gln	Pro	Gly	Ala	Gly	Glu				
	65					70				75					80				
Xaa	Ala	Xaa	Gly	Glu	Gly	Arg	Asn	Gln	Gly	Met	Ser	Ala	Gly	Arg	Ala				
				85					90						95				
Leu	Gly	Ala	Leu	Ser	Xaa	Thr	Xaa	Asp											
			100					105											

&lt;210&gt; 7564

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



## 6748

&lt;400&gt; 7564

Xaa Xaa Arg Pro Gly Pro Ser Pro Leu Pro His Arg Asp Arg Asp Arg  
 1 5 10 15

Asp Arg Glu Arg Glu Arg Xaa Glu Arg Ser Arg Glu Arg Asp Lys Glu  
 20 25 30

Arg Glu Arg Xaa Xaa Ser Arg Ser Arg Xaa Arg  
 35 40

&lt;210&gt; 7565

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7565

Trp Ile Thr Val Ala Gly Cys Asn Phe Tyr Gln Phe Leu Xaa Leu Leu  
 1 5 10 15

Ser Gln Asn Pro Phe Ser Gly Lys Gly Asp Pro Ile Asn Phe Lys Asn  
 20 25 30

Leu Thr Leu Lys His Xaa Leu Ala Met Gly Ala Trp Xaa  
 35 40 45

&lt;210&gt; 7566

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 6749

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7566

Xaa	Ser	Xaa	Arg	Ser	Met	Lys	Ala	Xaa	Thr	Pro	Cys	Arg	Val	Pro	Val
1				5					10					15	

Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Arg	Glu	Xaa	Cys	Gly	Asn	Leu
			20					25						30	

Pro	Ser	Gln	Arg	Pro	Gly
				35	

&lt;210&gt; 7567

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6750

<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7567  
Asp Leu Val Trp Lys Pro Pro Leu Ser Xaa Gly Xaa Xaa Xaa Lys Leu  
1 5 10 15

Xaa Asn

<210> 7568  
<211> 90  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)

## 6751

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7568

Ile	Cys	Arg	Ser	Ile	Ser	Trp	Lys	Pro	Gln	Phe	Phe	Ile	Pro	Xaa	Lys
1				5				10						15	

Lys	Ala	Val	Phe	Arg	Trp	Glu	Arg	Lys	His	Leu	Arg	Leu	Leu	Thr	Phe
			20					25					30		

Gly	Phe	Xaa	Arg	Lys	Ser	Ser	Gln	Trp	Cys	Ser	Asn	Ile	Thr	Arg	Asp
		35					40					45			

Xaa	Leu	Xaa	Xaa	Xaa	Ile	Gly	Xaa	Leu	Lys	Xaa	Glu	Gly	Ser	Pro	Xaa
	50					55					60				

Gln	Thr	Pro	Ser	Ser	Gly	Gln	Xaa	Xaa	Ser	Ser	Pro	Xaa	Gln	Ala	Lys
65					70					75					80

Cys	Lys	Lys	Ile	Gln	Leu	Gly	Lys	His	Asn
				85					90

## 6752

<210> 7569  
<211> 66  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

6753

&lt;400&gt; 7569

Xaa Arg Arg Leu Xaa Val Asp Pro Leu Glu Xaa Thr Xaa Ser Trp Tyr  
1 5 10 15

Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly  
20 25 30

Phe Phe Arg Tyr Ser Ser Phe Ile Leu His Gln Asn Leu Ile Ser Cys  
35 40 45

Asn Val Xaa Xaa Trp Pro Arg Ala Xaa Pro Ser Glu Asp Xaa Xaa Glu  
50 55 60

Lys His  
65

&lt;210&gt; 7570

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6754

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7570

Xaa	Xaa	Ile	Xaa	Leu	Cys	His	Leu	Tyr	Leu	His	Leu	Pro	Pro	Phe	Thr
1				5					10					15	

Leu	Thr	Asn	Xaa	Phe	Leu	Ser	Cys	Ala	Tyr	Met	Tyr	Ser	Leu	Phe	Pro
			20					25					30		

Asn	Thr	Gly	Ile	Ile	Thr	Ser	Asn	Asn	Tyr	Ser	Ile	Leu	Ser	Leu	Ser
		35					40					45			

Phe	Xaa	Asp	Phe	Pro	Xaa	Trp	Gly	Glu	Glu	Asp	Tyr	Xaa	Leu	Tyr	Lys
	50					55					60				

Asn	Xaa	Asn	Lys	Ile	Phe	Gln	Thr	Cys	Arg	Ile
65				70					75	

&lt;210&gt; 7571

&lt;211&gt; 69

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7571

Asn	Arg	Tyr	Asn	Phe	Lys	Ala	Thr	Asn	Leu	Thr	Thr	Arg	Ser	Ser	Ala
1				5					10					15	

Gly	Glu	Gly	Gln	Gly	Gly	Gln	Asn	Arg	Gly	Val	Trp	Leu	Gly	Val	Gly
			20					25					30		

Gly	Val	Lys	Ser	Leu	His	Pro	Ser	Ser	Ile	His	Tyr	Thr	Asn	Ile	Leu
		35					40					45			

Met	Arg	Tyr	Val	Phe	Ile	Lys	Cys	Leu	Gln	Met	Phe	Ile	Thr	Phe	Gly
	50					55					60				

Ser	Glu	Phe	Tyr	Ile
65				

6755

&lt;210&gt; 7572

&lt;211&gt; 99

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7572

Gln	Leu	His	Leu	Leu	Leu	Gly	Lys	Leu	Xaa	Arg	Leu	Gln	Val	Pro	Val
1				5					10					15	

Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Phe	Xaa	Gln	Arg	Gly	Glu	Pro	Val
			20					25					30		

Gly	Asn	Xaa	Asn	Ile	Leu	Leu	Tyr	Ile	Tyr	Ile	Tyr	Ile	Phe	Val	Gln
		35					40					45			

Thr	Asn	Arg	Thr	Cys	Arg	Trp	Gly	Ser	Arg	Pro	Trp	Cys	Tyr	Leu	Lys
						55					60				

Lys	Lys	Arg	Leu	Cys	Val	Gln	Met	Asn	Asp	Lys	Leu	Ser	Ala	Ser	Pro
	65				70					75					80

Ser	Ala	Pro	Leu	Gln	Ala	Pro	Ala	Gly	Gly	Pro	Val	Ser	Lys	Leu	Met
				85					90					95	

Gln Ser Val

&lt;210&gt; 7573

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



6756

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7573

Gly His Cys Ser Gly His Pro Gly Ala Gly Ser Leu Val Glu Val Arg  
1 5 10 15

Arg Val Asn Leu Val Lys Gly Arg Glu Asp Ser Ser Leu Arg Val Ser  
20 25 30

Arg Pro Cys Leu Leu Gly Val His Phe Gly Ser Leu Ala His Pro Gly  
35 40 45

Arg Thr Arg Xaa Trp Leu Lys Ala Pro Pro Xaa  
50 55

&lt;210&gt; 7574

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6757

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7574

Ala	Xaa	Lys	Cys	Thr	Xaa	Ala	Met	Gly	Gly	Phe	Ser	Ala	Lys	Xaa	Arg
1				5				10					15		

Met	Ile	Xaa	Asn	Ser	Leu	Asn	Leu	Lys	Ala	Leu	Thr	Gln	Xaa
			20					25					30

&lt;210&gt; 7575

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7575

Gly	Cys	Pro	Leu	Pro	Cys	Gly	Pro	Ser	Pro	Gly	Asp	Xaa	Pro	Val	Lys
1				5				10					15		

Xaa	Ser	Ala	Val	Thr	Tyr	Xaa	Gly	Pro	Ser	Pro	Gln	Gln	Gln	Ile	Leu
			20					25						30	

Leu	Leu	Ala	Leu	Asp	Leu	Arg	Val	Xaa	Leu	Tyr	Pro	Ala	Ser	Arg
			35					40					45	

6758

&lt;210&gt; 7576

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7576

His	Xaa	Pro	Ser	Gly	Ser	Gln	Thr	Ile	Arg	Asn	Lys	Arg	Lys	Asn	Phe
1				5					10					15	

Leu	Pro	Leu	Ser	Pro	Arg	Gly	Tyr	Gly	Lys	Leu	Leu	Xaa	Val	His	Arg
			20					25					30		

Met	Gly	Ala	Gly	Val	Ile	Leu	Ser	Xaa	Phe	Pro	Ser	Ser	Xaa	His	Ile
		35						40				45			

Leu	Asp	His	Leu	Asn	Ile	Pro	Trp	Xaa	Gly	Ser	Lys	Gly	Lys	Ser	Gly
	50					55					60				

Ile	Gly	Pro	Arg	Arg	Lys	Gln	Pro	Arg	Thr	Leu	Ser	Cys	Asn	Lys	Gln
65					70					75					80

Asp Pro Asp

## 6759

&lt;210&gt; 7577

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7577

Arg	Arg	His	Arg	Pro	Asn	Gln	Gly	Glu	Xaa	Arg	Xaa	Thr	Arg	Lys	Gln
1				5					10					15	

Glu	Lys	Thr	Lys	Ser	Glu	Gly	Asp	Arg	Asp	Lys	His	Gly	Xaa	Lys	Xaa
			20					25					30		

Met	Asp	Met	Ser	Ile	Pro	Leu	Thr	Gly	Glu	Glu	Xaa
		35					40				

&lt;210&gt; 7578

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6761

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7579

Val	Lys	Ser	Ser	Leu	Asp	Thr	Leu	Met	Asp	Thr	Leu	Gly	Arg	Ala	Cys
1				5				10					15		

Pro	Lys	Leu	Leu	Xaa	Ser	Leu	Ile	Leu	Ser	Glu	Ala	Thr	Thr	Gln	Xaa
			20					25					30		

Ser	Gly	Lys	Val	Gln	Lys	Ala	Gly	Ile	Phe	Tyr	Leu	Ser	Phe	Leu	Lys
		35					40					45			

Gly	Phe	Lys	Phe	Xaa	Thr	Phe	Leu	Asn	Lys	Gly	Tyr	Lys	Gly
	50						55				60		

<210> 7580

<211> 53

<212> PRT

<213> Homo sapiens

<400> 7580

Gly	His	Ser	Pro	Leu	Glu	Ala	Gly	Lys	Ala	Pro	His	Gln	Ala	Leu	Gln
1				5				10					15		

Phe	Leu	Thr	Gln	Glu	Val	Ala	Asp	Ser	Ser	Ala	Ser	Gly	Leu	Pro	Val
			20					25					30		

Pro	Ala	His	Glu	Ala	Leu	Gly	Gly	Glu	Trp	Arg	Leu	Ser	Leu	Phe	Leu
		35					40					45			

Leu	Ala	Leu	Glu	Ala
	50			

<210> 7581

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

6762

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (99)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7581

Gly	Lys	Ala	Val	Ile	Ser	Arg	Ser	Asn	Val	Ala	Trp	Gly	Arg	Glu	Ser
1				5				10						15	

Pro	Val	Ser	Cys	Ile	Arg	Ser	Leu	Lys	Asn	Asn	Val	Glu	Asp	Leu	Asp
			20					25					30		

Ser	Ser	Pro	Val	Phe	Ala	Val	Pro	Cys	Pro	Gly	Val	Gly	Pro	Ala	Leu
		35					40					45			

Phe	Met	Val	Pro	Arg	Arg	Leu	Pro	Gln	Glu	Gly	Leu	Trp	Thr	Glu	Gly
	50					55					60				

Arg	Ser	Ile	Ser	Ser	Leu	Xaa	Leu	Phe	Leu	Ser	Lys	Lys	Pro	Gly	Leu
65					70					75					80

Thr	Ser	Ile	Leu	Pro	Leu	Xaa	Ser	Gln	Glu	Glu	Cys	Pro	Asp	Pro	Leu
					85				90					95	

Xaa	Leu	Xaa	His	Pro	Phe	Met	Gly
			100				

&lt;210&gt; 7582

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6763

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7582

Xaa Lys Ser Xaa Leu Xaa Phe Gly Gly Lys Lys Lys Ala Pro Gly Phe  
1 5 10 15

Asn Arg Pro Leu Gly Gln Gly Gly Xaa Pro Arg Gly Phe Pro Gly Glu  
20 25 30

Asn Phe Pro Pro Gly Val Ser Gly Thr Pro Asn Gly Pro Phe Pro Ala  
35 40 45

Phe Pro Ala Gly Ile Thr Lys Phe Lys Gly Asn Gly Ala Trp  
50 55 60

&lt;210&gt; 7583

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7583

Xaa Ser Gln Ala Xaa Gly Tyr Leu Glu Glu Glu Gly Pro Trp Val Thr

## 6764

1'                      5                      10                      15  
Cys Arg Ala Gly Ser Gly Leu Ala Ala Pro Arg Ala Ala His Leu Gly  
                    20                      25                      30  
Trp Gly Thr Ala Arg Val Ser Arg Thr Trp Arg Ala Val Val Pro Val  
                    35                      40                      45  
Val Arg Val Arg Ile Glu Gly Leu Gly Gly Ser Arg Gly Glu Pro Ala  
                    50                      55                      60  
Leu Ser Pro Ala Xaa Xaa Thr Pro Asp His Gly Gly Leu Gly Pro Gly  
                    65                      70                      75                      80

<210> 7584

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE



## 6765

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7584

Xaa Xaa Ile Leu Ala Ser Ala Cys Gly Ala Gly Gly Thr Arg Phe Pro

1 5 10 15

Pro Pro Arg Gly Ser Ala Ser Gly Leu Val Leu Ser Pro Ala Ala Pro

20 25 30

Cys Arg Arg Ser His Arg Ser Ser Tyr Arg Arg Glu Trp Arg Ala Asp

35 40 45

Gln Gly Ala Ala Gly Leu Pro Ser Xaa Ile His Val Ser Leu Arg Xaa

50 55 60

Arg Gly Pro Xaa Glu Pro Ala Xaa Met Pro Leu Gly Leu Lys Pro Thr

65 70 75 80

Cys Ser Arg Met Gln Asp His

85

&lt;210&gt; 7585

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6766

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7585

Thr Phe Gln Val Phe Leu Asn Leu Ser Met Leu Ser Leu Asn Leu Leu

1

5

10

15

Gln Gly Phe Tyr Asn Cys Arg His Val Ser Xaa Tyr Arg Arg Glu Ala

20

25

30

Val Phe Xaa Ser Cys Ile Phe Leu Xaa Phe Gln Lys Leu Gln Met Xaa

35

40

45

Ile Ile Ser Phe Lys His Cys Leu Asn Ser Asn Trp Lys Ile Thr Ala

50

55

60

Val Ser Pro Thr Xaa Ala Phe Pro Leu Leu Gln Glu Glu Asn Asp Tyr

65

70

75

80

&lt;210&gt; 7586

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7586

Gly Phe Glu Leu Xaa Pro Cys Leu Leu Val Gly Trp Pro Arg Ile Lys

1

5

10

15

Gly Xaa Xaa Trp Pro Phe Lys

20

6767

&lt;210&gt; 7587

&lt;211&gt; 104

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (85)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (96)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (100)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7587

Gly	Ser	Arg	Ala	Pro	Cys	Ser	Pro	Arg	Val	Leu	Pro	Trp	Val	Ser	Pro
1				5					10				15		

Cys	Gln	Val	Phe	Arg	Glu	Cys	Pro	Pro	Thr	Pro	Ala	Pro	Phe	Cys	Val
		20						25					30		

Ala	Pro	Ala	Thr	Ser	Val	Leu	Trp	Asp	Thr	Gly	Leu	Ser	Pro	Ser	Ser
		35					40					45			

Arg	Val	Leu	Val	Cys	Leu	Ser	Val	Pro	Trp	Thr	Cys	Pro	Gln	Gly	Pro
		50				55					60				

Arg	Leu	Trp	Leu	Xaa	Xaa	Pro	Xaa	Arg	Leu	Ala	Ala	Glu	Thr	Pro	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6768

```

65              70              75              80
Ala Arg Pro Ala Xaa Gly Ser Phe Lys Glu Cys Val Gly Asn Cys Xaa
              85              90              95
Thr Cys Ile Xaa Gly Thr Gly Arg
              100

```

<210> 7588

<211> 65

<212> PRT

<213> Homo sapiens

**<220>**

&lt;221&gt; SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

&lt;221&gt; SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

&lt;221&gt; SITE

&lt;222&gt; (18)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

$\langle 222 \rangle$  (20)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

$\langle 222 \rangle$  (21)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 6769

<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7588  
Xaa Leu Arg Ile Lys Gly Ser Gly Val Arg Trp Ile Xaa Ala Ile Met  
1 5 10 15  
Leu Xaa Lys Xaa Xaa Leu Xaa Xaa Leu Ala Xaa Lys Ser Thr Gly His  
20 25 30  
Phe Ile Gly Thr Phe Xaa Glu Xaa Met Ile Val Cys Glu Ile Leu Thr  
35 40 45  
His Pro His Xaa Gln Asn Xaa Xaa Cys Pro Trp Ile Xaa Cys Thr Gly  
50 55 60

6770

Xaa  
65

<210> 7589  
<211> 53  
<212> PRT  
<213> Homo sapiens

<400> 7589  
Leu Leu Ile Gly Arg Phe Ser Phe Tyr Ser Ser Thr Glu Lys Lys Ile  
1 5 10 15  
Ile Val Ile Ile Ile Arg Gln Cys Ser Val Val Leu Gln Ser Ile Ile  
20 25 30  
Val Ser Val Leu Phe Cys Phe Leu Arg Cys Leu Glu Asn Gly Glu Cys  
35 40 45  
Val Thr Val Ser Asn  
50

<210> 7590  
<211> 63  
<212> PRT  
<213> Homo sapiens

<400> 7590  
Asn Val Leu Val Leu Phe Leu Ser Leu Asp Phe Met Tyr Phe Glu Pro  
1 5 10 15  
Gln Ile Leu Ser Ser Ser Asp Leu Lys Ile Leu Ser Tyr Thr Gln Ser  
20 25 30  
Pro Leu Thr Phe Leu Trp Asp Cys Leu Ile Tyr Glu Lys Ser Leu Glu  
35 40 45  
Lys Ser Leu Ile Glu Thr Phe Arg Phe Arg Asn Thr Cys Thr Ile  
50 55 60

<210> 7591  
<211> 174  
<212> PRT  
<213> Homo sapiens

## 6771

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (119)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (160)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (161)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (169)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (173)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7591  
 Ala Xaa Arg Gln Leu Leu Val Asp Ser Val Thr Asp Ser Val Leu Gly  
 1 5 10 15  
 Pro Asn Gly Asp Val Thr Gly Thr Pro His Thr Ser Pro Asp Gly Arg  
 20 25 30  
 Phe Ile Val Ser Ala Ala Ala Asp Ser Pro Trp Leu His Val Gln Glu  
 35 40 45  
 Ile Thr Val Arg Gly Glu Ile Gln Thr Leu Tyr Asp Leu Gln Ile Asn  
 50 55 60  
 Ser Gly Ile Ser Asp Leu Ala Phe Gln Arg Ser Phe Thr Glu Ser Asn  
 65 70 75 80  
 Gln Tyr Asn Ile Tyr Ala Ala Leu His Thr Glu Pro Asp Leu Leu Phe  
 85 90 95  
 Leu Glu Leu Ser Thr Gly Lys Val Gly Met Leu Lys Asn Leu Lys Glu  
 100 105 110

## 6772

Pro Pro Ala Gly Pro Ala Xaa Pro Trp Gly Gly Thr His Arg Ile Met  
 115 120 125

Arg Asp Ser Gly Leu Phe Gly Gln Tyr Leu Leu His Gln Pro Glu Ser  
 130 135 140

His Cys Ser Ser Ser Met Gly Asp Lys Asn Thr Leu Arg Cys Glu Xaa  
 145 150 155 160

Xaa Arg Tyr Lys Gly Gly Gly Pro Xaa Trp Cys Trp Xaa Gly  
 165 170

<210> 7592

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7592

Gly Glu Asp Asp Glu Glu Asp Thr Gly Val Cys Xaa Leu Xaa Pro Phe  
 1 5 10 15

Asp Leu Xaa Tyr Xaa Asp  
 20

<210> 7593

<211> 60



## 6773

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7593

Ile	Leu	His	Phe	Phe	Leu	Leu	Gly	Asn	Ile	Ile	Cys	Gly	Arg	Arg	Gln
1				5				10					15		

Pro	His	Phe	Ile	Cys	Pro	Tyr	Ser	Cys	Gly	Ser	Ser	Ile	Cys	Phe	Leu
			20				25					30			

Pro	Glu	Cys	Ser	Leu	Gly	Leu	Leu	Lys	Xaa	His	Glu	Ser	Asn	Leu	Glu
		35				40						45			

Val	Ser	Leu	Ser	Asn	Lys	Ala	Val	Phe	Leu	Pro	Phe
	50				55					60	

&lt;210&gt; 7594

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7594

Xaa	Xaa	Leu	Glu	Ala	Asn	Pro	Glu	Gly	Arg	Xaa	Glu	Asn	Ser	Trp	Ile
1				5				10				15			

Ser

6774

&lt;210&gt; 7595

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7595

Lys Ser Tyr Gly Gly Gly Ser Asn Pro Asp Ser Glu Ser Asn Ser Arg  
1 5 10 15

Cys Trp Asn Trp Ala Gly Pro Val Ser Ser Leu Ala Leu Asn Phe Asn  
20 25 30

Pro Phe Asn Lys Gly Leu Gly Lys Met Ile Ser Glu Val Leu Ser Ile  
35 40 45

Ser Val Gln Leu Ser Leu Glu Gly Gln Val Leu Asp Thr Gln Thr Asp  
50 55 60

Asp Gly Thr Ala Gln His Gln Ala Gln Pro Leu Val Gly Ser Val Cys  
65 70 75 80

Ala Ala Ala Leu Val Leu Asn Asn Asn Asn Thr Met Val Pro Leu Thr  
85 90 95

Glu Ile Tyr Gly Ala Leu Phe Arg Pro  
100 105

&lt;210&gt; 7596

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6775

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7596

Thr	Asn	Tyr	Arg	Ala	Leu	Xaa	Ser	Val	Xaa	Ala	Xaa	Ser	Tyr	Gly	Ser
1					5				10					15	

Pro	Asp	Gly	Gln	Gln	Arg	Arg	Ser	Ala	Ser	Met	Arg	Xaa	Leu	Gly	Ala
			20					25					30		

Leu	Val	Pro
		35

&lt;210&gt; 7597

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7597

Cys	Phe	Thr	Tyr	Ser	Gln	Asn	Cys	Xaa	Asp	Lys	His	Thr	Xaa	Ile	Ile
1				5				10						15	

Val	Ala	Thr	Pro	Trp	Glu	Ile	Ala	Gly	Xaa	Ile	Leu	Leu	Arg
			20					25					30

&lt;210&gt; 7598

&lt;211&gt; 131

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 6776

&lt;221&gt; SITE

&lt;222&gt; (100)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (114)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (121)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7598

Pro	Arg	Trp	Cys	Cys	Leu	Ala	Pro	Gly	Arg	Ile	Pro	Val	Leu	Ala	Ala
1				5				10						15	

Ser	Arg	Gly	Leu	Gly	Cys	Arg	Leu	Ala	Gly	Ala	His	Ala	Ala	Ile	Pro
		20						25					30		

Phe	Ala	Ala	Ile	Arg	Val	Thr	Cys	Ile	Gly	Ser	Cys	Gly	Val	Ser	Asn
		35					40					45			

Lys	Ala	Asn	Asp	Thr	Ala	Trp	Val	Val	Glu	Glu	Gly	Tyr	Phe	Asn	Ser
	50					55					60				

Ser	Leu	Ser	Leu	Ala	Asp	Lys	Gly	Ser	Leu	Pro	Ala	Gly	Glu	His	Ser
65					70					75				80	

Phe	Pro	Phe	Gln	Phe	Leu	Leu	Pro	Ala	Thr	Ala	Pro	Thr	Ser	Phe	Glu
			85						90					95	

Gly	Pro	Phe	Xaa	Lys	Ile	Val	His	Gln	Val	Lys	Ala	Ala	Ile	Gln	Thr
		100						105					110		

Pro	Xaa	Phe	Ser	Lys	Asp	His	Lys	Xaa	Lys	Pro	Arg	Gly	Leu	Tyr	Leu
		115					120					125			

Glu	Pro	Leu
		130

&lt;210&gt; 7599

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

6777

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7599

Pro	Asp	Cys	Cys	Phe	Lys	Gln	Pro	Gly	Ser	Leu	Pro	Ser	His	Trp	Ala
1				5					10					15	

Gly	Thr	Pro	Ser	Trp	Ala	Leu	Gln	Pro	Cys	Pro	Leu	Ala	His	Thr	Met
			20					25					30		

Asp	Arg	Ala	Leu	Ile	Ser	Pro	Trp	Asp	Gly	Val	Pro	Gln	Gly	Gly	Glu
		35					40					45			

Gly	Cys	His	Leu	Gly	Trp	Met	Asp	Asp	Ser	Thr	Val	Pro	Xaa	Leu	Xaa
	50					55					60				

Ala	Leu	Xaa	Lys	Ser	Lys	Leu	Met	Gly	Gln	Xaa	Xaa
65					70					75	

&lt;210&gt; 7600

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6778

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7600

Gly	Cys	Thr	Ala	Gly	Lys	Ser	Leu	Ser	Lys	Leu	Leu	Ala	Trp	Ser	Pro
1				5					10					15	

Val	Ser	Ser	Pro	Pro	Arg	Gly	Ser	Ser	Pro	Xaa	Phe	Thr	Phe	Pro	Phe
			20					25					30		

Ser	Leu	Ser	Cys	Ala	Glu	Cys	Pro	Thr	Pro	Ala	Leu	Phe	Pro	Phe	Trp
		35					40					45			

Val	Ser	Leu	Leu	Gly	Xaa	Gly	Xaa	Xaa	Val	Ser	Pro	Thr	Gly
	50					55					60		

&lt;210&gt; 7601

&lt;211&gt; 99

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6780

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7601

```

Ser Ser Asp Pro Ile His Pro Ser Ala Val Xaa Thr His Gln Arg Gly
 1           5           10           15

Ala Ala Leu Thr Leu Pro Met Gln Leu Gly Arg Gly Glu Arg Arg Arg
          20           25           30

His Ser Lys Leu Lys Leu Phe Ala Val Ser Ser Xaa Xaa Xaa Lys Pro
          35           40           45

Xaa Xaa Ser Ser Pro Asn Xaa Gly Xaa Lys Ala Lys Ser Xaa Xaa Arg
          50           55           60

Leu Gln Xaa Arg Gly Lys Ala Pro Ser Ala Pro Glu Xaa Pro Xaa Val
65           70           75           80

Leu Gly Leu Gly Gly Thr Leu Gln His Xaa Leu Leu Trp Thr Pro Glu
          85           90           95

Gly Arg Ile

```

&lt;210&gt; 7602

&lt;211&gt; 114

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (113)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7602

```

Pro Ala Ser Cys Pro Thr Gly Ser Pro Ala Val Pro Val His Leu Pro
 1           5           10           15

Ala His Pro Gly Thr Cys Pro His Cys Leu Leu Pro Ala Leu Cys Gly
          20           25           30

Arg Thr Glu Ala Lys Arg Arg Ser Leu Glu Leu Trp Ser His Gly Asn
          35           40           45

Gly Ser Leu Pro Thr Thr His Ala Cys Pro Ala Phe Leu His Ala Leu
          50           55           60

Lys Arg Gly Glu Trp Asn Leu Leu Gly Pro Gly Asn Ala Pro Leu Leu

```

## 6781

65		70		75		80									
Arg	His	Ser	Leu	His	Tyr	Ser	Leu	Ala	Ser	Ser	Val	Gly	Asn	Ser	Leu
				85					90					95	
Pro	Ile	Gly	Val	Pro	Arg	Gln	Thr	His	Arg	Glu	Ser	Trp	Gln	Asn	Phe
			100					105					110		
Xaa Phe															

&lt;210&gt; 7603

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7603

Trp	Thr	Asp	Tyr	Gly	Thr	Leu	Arg	Leu	Ala	Cys	Thr	Gly	Ser	Xaa	His
1				5					10					15	

Xaa	Xaa	Glu	Asn	Arg	Ser	Leu	Ala	Leu	Pro	Leu	Pro	Val	Ala	Gly	Leu
			20					25					30		

Thr	Ala	Cys	Pro	Pro	Ala	Cys
						35

&lt;210&gt; 7604

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;



6782

<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7604  
Thr Tyr His Leu Ala Phe Leu Leu Ala Leu Met Asn Leu Asn Phe Xaa  
1 5 10 15  
Pro Asn Val Asp Ala Leu Xaa Xaa Leu Xaa Xaa Glu Pro  
20 25

<210> 7605  
<211> 22  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)

## 6783

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7605

Ala	Ser	Ser	Arg	Ser	Arg	Ala	Ala	Xaa	Ile	Ser	Leu	Gly	Xaa	Phe	Tyr
1				5				10						15	

Asn	Xaa	Xaa	Phe	Trp	Gly
			20		

<210> 7606

<211> 64

<212> PRT

<213> Homo sapiens

<400> 7606

Ala	Gly	Leu	Thr	Ala	Pro	Ser	Met	Gly	Pro	Ile	Leu	Tyr	Leu	Val	Leu
1				5				10						15	

Ser	Trp	Ser	Lys	Gly	His	Leu	Gln	Cys	His	Lys	Tyr	Pro	Tyr	Ile	Arg
			20					25						30	

Lys	Lys	Met	Ile	Ser	Tyr	Gln	Leu	Ala	Leu	Thr	Asn	Val	Leu	Leu	Ile
		35						40				45			

Glu	Gln	Pro	Thr	His	Ser	Val	Asp	Tyr	Val	Asn	Leu	Ser	Gly	Leu	Leu
		50					55				60				

<210> 7607

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6784

<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)

## 6785

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7607

Gly	His	Ala	Cys	Xaa	Ile	Phe	Gly	Ile	Ser	His	Xaa	Asn	Tyr	Phe	Arg
1				5				10						15	

Leu	Glu	Gln	Val	Ala	Thr	Gln	Leu	Xaa	Thr	Glu	Leu	His	Gln	Arg	Xaa
		20					25						30		

Xaa	Thr	Trp	Met	Xaa	Arg	Asp	Leu	Ala	Ser	Val	Xaa	Xaa	Xaa	Gln	Gln
		35					40					45			

Xaa	Xaa	Xaa	Trp	Ile	Xaa	Leu	Ser
	50					55	

<210> 7608

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6786

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7608

Ser	Phe	Xaa	Leu	Ile	Asn	Leu	Leu	Pro	Ile	Asn	Ala	Val	Xaa	Pro	Thr
1				5				10					15		

Ser	Ser	Gln	Gln	Ile	Pro	Xaa	Arg	Glu	Thr	Xaa	Glu	Ala	Asn	Lys	Glu
		20						25					30		

Arg	Arg	Lys	Met	Thr	Ser	Lys	Ser	Ser	Glu	Ser	Asn	Ile	Tyr	Ser	Pro
		35					40					45			

Leu	Thr	Xaa	Phe	Ile	Thr	Ala	Asp	Ser	Glu	Leu	His	Asp	Ile	Ile	Lys
	50					55					60				

Asp	Leu	Glu	Asp	Xaa	Leu	Met	Val	Gly	Leu	His	Thr	Cys	Gly	Asp	Leu
65					70				75						80

Gly	Ser	Lys	Tyr	Phe	Ala	Asn	Ile	Tyr	Leu	Gln	Leu
				85				90			

&lt;210&gt; 7609

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6787

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7609

Pro	Lys	His	Ile	Asn	Leu	Xaa	Thr	Asp	Leu	Thr	Ser	Asp	Gln	Gly	Gln
1				5					10					15	

Asp	Pro	Xaa	Trp	Glu	Val	Ile	Leu	Asp	Tyr	Thr	Ser	Leu	Leu	Trp	Ser
			20					25					30		

Gly	Cys	Lys	His	Cys	Ser	Xaa	Ser	Glu	Cys	Gly	Phe	Thr	Leu	Asn	His
		35					40					45			

Pro	Xaa	Tyr	Thr	Gly	Leu	Ile	Xaa	Cys	Leu
	50					55			

&lt;210&gt; 7610

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7610

Leu	Trp	Xaa	His	Xaa	His	Xaa	Lys	Asn	Ile	Ala	Trp	Lys	Lys	Lys
1				5					10				15	

&lt;210&gt; 7611

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6788

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (77)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7611

Ser	Val	Thr	Glu	Gly	Arg	Leu	Cys	Xaa	Val	Ser	Cys	Ile	Phe	Leu	Phe
1				5					10					15	

Phe	Gln	Lys	Leu	Gln	Met	Phe	Ile	Ile	Ser	Phe	Lys	His	Cys	Leu	Asn
			20						25					30	

Ser	Asn	Trp	Xaa	Ile	Thr	Ala	Val	Xaa	Arg	Arg	Gly	Leu	Ser	Leu	Tyr
			35						40				45		

Phe	Met	Arg	Arg	Met	Thr	Thr	Asn	Leu	Glu	Glu	Arg	Ser	Tyr	Tyr	Xaa
							55					60			

Thr	Gln	Asp	His	Gln	Ser	Met	Cys	Arg	Thr	Leu	Ser	Xaa	Leu	Ile
										70				75

&lt;210&gt; 7612

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 6789

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7612

Arg	Gly	Ser	Asp	Phe	Leu	Val	Thr	Trp	Glu	Ser	His	Asp	Leu	Xaa	Pro
1				5				10						15	

Asp	Ser	Xaa	Xaa	Xaa	Leu	Trp	Val	Ile	Asn	Ile	Gly				
			20					25							

&lt;210&gt; 7613

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7613

Gly	Thr	Val	Asp	Pro	Ala	Pro	Gly	Thr	Ala	Ser	Val	Leu	Leu	Ala	Ala
1				5				10						15	



## 6790

His Gly Arg Glu Arg Gly Ala Ala Ala Arg Arg Ser Arg Met Pro Pro  
                   20                                  25                                  30

Gly Pro Glu Val Leu Gln Arg Pro Gly Arg Gly Arg Pro Arg Leu Gly  
                   35                                  40                                  45

Gly Arg Arg Thr Ser Gly Glu Glu Ala Gln Glu Arg Trp Arg Leu Gly  
                   50                                  55                                  60

Ala Ala Arg Glu Ala Ala Xaa Ala Glu Xaa Xaa Ala Ala His Gly Leu  
                   65                                  70                                  75                                  80

Phe Gly

<210> 7614

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7614

Asp Met Xaa Thr Gln Leu Asp Thr Pro Gly Xaa Trp Gln Phe Pro Asp  
           1                                  5                                  10                                  15

Pro Xaa Met Ile  
                   20

<210> 7615

<211> 74

<212> PRT

<213> Homo sapiens

## 6791

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7615  
Val Tyr Ala Xaa Thr Pro Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser  
1 5 10 15  
Thr His Ala Xaa Glu Val Arg Trp Ala Leu Xaa Thr Leu Xaa Ile Thr  
20 25 30  
Thr Ser Arg Lys Asp Glu Val Arg Asp Leu Val Leu Xaa Phe Gly Met  
35 40 45  
Pro Leu Xaa Leu Asp Ser Gln Ser Cys Arg Leu Gly Lys Met Leu Xaa

6792

50

55

60

Leu Ser Trp Ser Ala Ser Cys Xaa Ile Gln  
 65 70

&lt;210&gt; 7616

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7616

Arg Xaa Gly Xaa Glu Trp Xaa Leu Lys Gly Gly Xaa Lys Ile Ser Leu  
 1 5 10 15

## 6793

Gly Gly Leu Leu Thr Gly Leu Tyr Ser Xaa Ser Lys Gly Ile Cys Asp  
                   20                  25                  30  
 His Val Trp Gly Gly Thr Gly Glu Thr His Gly Val Leu Glu Ala Leu  
                   35                  40                  45  
 Xaa Ala Xaa Asp Gly Arg Ala  
                   50                  55

&lt;210&gt; 7617

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7617

Trp Tyr Ala Thr Asn Xaa Lys Leu Ile Thr Trp Leu Xaa Leu Gln Phe  
   1                  5                  10                  15

Asn Gly Thr Thr Ile Leu Phe Pro Trp Trp Xaa Leu Thr Leu Pro Asn

6794

```

          20              25              30
Gln Gln Thr His Ser Cys Gln Asp Arg Lys Gln Lys Xaa Xaa Lys Pro
      35             40           45

Val Ile Arg Xaa
    50

```

<210> 7618

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

&lt;221&gt; SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

**<222> (44)**

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7618

## 6795

Xaa Pro Xaa Xaa Leu Ala Asn Ser Gln Arg Phe Lys Gly Xaa Lys Gly  
 1 5 10 15  
 Pro Arg Arg Pro Pro Gly Ser Gly Ile Pro Gly Ser Thr His Ala Ser  
 20 25 30  
 Gly Cys Ala Arg Glu Trp Val Trp Arg Pro Gly Xaa Gly Arg Xaa Xaa  
 35 40 45  
 Thr His  
 50

&lt;210&gt; 7619

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7619

Ile Asn Asn Ser Val Asn Val Tyr Ile Val Asn Asn Cys Ile Ala Leu  
 1 5 10 15  
 Gly Trp Asn Arg Asp Ala Arg Arg Tyr Arg Thr Met Trp Asn Ser Glu  
 20 25 30  
 Lys Gly Ala Leu Lys Asn Glu Ile Leu Leu Phe Leu Pro Gly Glu Ser  
 35 40 45  
 Arg Cys  
 50

&lt;210&gt; 7620

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6796

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7620

Pro	Leu	Leu	Ile	Cys	Ser	Leu	Arg	Glu	Thr	Arg	Leu	Pro	Asn	Ala	Lys
1				5					10					15	

Met	Val	Asn	Xaa	Gln	Leu	Glu	Glu	Xaa	Asp	Gln	Asp	Val	Cys	Leu	Arg
		20						25					30		

Xaa	Lys	Gly	Glu	Glu	Xaa	Xaa	Val	Gly	Ser	Met	Phe	Ala	Ser	Asp	Ile
		35					40						45		

Glu	Gly	Glu	Arg	Asn	Lys	Asn	Tyr	Lys
	50					55		

&lt;210&gt; 7621

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7621

Gln	Xaa	Ile	Asp	Leu	Glu	Gly	Tyr	Lys	Ile	Asn	Asn	Xaa	Ala	Glu	Trp
1				5					10					15	

Cys	Leu	Gln	Val	Phe	Thr	Val	Asp	Ser	Glu	Leu	Arg	Cys	Glu	Gly	Met
			20					25					30		

Arg	Arg	His	Arg	Trp	Val	Trp	Lys	Pro	Pro	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6797

35

40

&lt;210&gt; 7622

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7622

Gly	Lys	Asp	Asp	Xaa	Ser	Ile	Leu	Xaa	Thr	Leu	Arg	Pro	Thr	Ala	Asp
1				5					10					15	

Arg	Glu	Glu	Gly	Glu	Cys	Gly	Gly	Xaa	Glu	Glu	Gly	Gly	Arg	Xaa	Ala
			20					25					30		

Gly Gly

&lt;210&gt; 7623

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



## 6798

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7623  
Thr Xaa Thr His Gly Ser Ile Thr Ala Ile Xaa Xaa Ala His His Xaa  
1 5 10 15  
Ser Thr Glu Leu Asn Val Tyr Thr Val Asp Pro Glu Ile Ser Thr Gly  
20 25 30  
His Xaa Xaa Gln Xaa Xaa  
35

<210> 7624  
<211> 44  
<212> PRT  
<213> Homo sapiens

## 6799

&lt;400&gt; 7624

Leu Val Thr Leu Thr Pro Thr Pro Gln Pro Leu Val Leu Gly Thr Leu  
 1 5 10 15

Ile Pro Thr Leu Gly Pro Leu Pro Leu Gly Ser Ser Asn Gly Trp Thr  
 20 25 30

Ala Gly Leu Trp Ser Gly Trp Ser Ile Ala Val Ala  
 35 40

&lt;210&gt; 7625

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7625

Cys Xaa Trp Ala Asn Pro His Xaa Glu Ser Arg Gly Lys Gly Xaa His  
 1 5 10 15

Leu Ser Pro Arg Gly Gly Xaa Ser Gln Ser Trp Val Glu Lys Thr Pro  
 20 25 30

Leu

&lt;210&gt; 7626

## 6800

<211> 23  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7626  
Asn Leu Xaa Leu Xaa Leu Asp Cys Leu Asp Val Leu Xaa Pro Leu Gly  
1 5 10 15

His Xaa Xaa Ile Ile Glu Gln  
20

<210> 7627  
<211> 99  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (79)

## 6801

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7627

Val	Thr	Ser	Phe	Ser	Ser	Asn	Phe	Phe	Ile	Gln	Glu	Asn	Met	Val	Ile
1				5					10					15	

Tyr	Tyr	Lys	Cys	Leu	Tyr	Leu	Ser	Leu	Ser	Gly	Leu	Trp	Ile	Ile	Leu
			20					25					30		

His	Ile	Ala	Thr	Glu	Ile	Trp	Glu	Phe	Leu	Leu	His	Thr	Ala	Glu	Xaa
		35					40					45			

Ile	Gln	Ser	Ala	Ala	Arg	Ser	Cys	His	Pro	Glu	His	Arg	Arg	Leu	Leu
	50					55					60				

Cys	Ser	Ser	Leu	Gly	Thr	Gly	Pro	His	Gly	His	Arg	Ser	Ser	Xaa	Lys
65					70					75					80

Gly	Arg	Lys	Gly	Gly	Val	Lys	Pro	Lys	Phe	Lys	Pro	Gly	Ile	Phe	Asn
				85					90					95	

Phe Ser Pro

<210> 7628

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

6802

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7628  
Xaa Glu Xaa Ala Cys Phe Xaa Pro Trp Val Gly Arg Leu Gln His Lys  
1 5 10 15  
Xaa Lys Thr Asn Ser Xaa Gln Ala Phe Leu Lys Arg Leu Ile Met Cys  
20 25 30  
Ile Lys Val Gln His Arg Arg Val Pro Leu Asn Leu Pro Cys Phe Cys  
35 40 45  
Phe Phe Arg Phe Ala Ile Pro Leu Leu Xaa Gly Leu Tyr Xaa Val Ala  
50 55 60  
Val Ile Lys Cys Pro Lys Gln Gly  
65 70

<210> 7629  
<211> 19  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)

## 6803

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7629

Asp	Asn	Thr	Cys	Leu	Leu	Lys	Ser	Val	Ala	Ile	Xaa	Xaa	Ala	Xaa	Ile
1				5					10					15	

Trp Xaa Xaa

<210> 7630

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7630

Ala	Xaa	Leu	Xaa	Xaa	Leu	Asn	Gln	Ile	Leu	Asn	Lys	Glu
1				5					10			

<210> 7631

<211> 75

<212> PRT

<213> Homo sapiens

6804

&lt;400&gt; 7631

Leu Lys Val Val Pro Gly Tyr Ala His Thr Val Gly Gln Lys His Arg  
 1 5 10 15

Gln Ile Cys Ser Ile Ser Lys His Val Gly Ala Glu Phe His Leu Phe  
 20 25 30

Gln Val Asn Ile Cys Val Ser Met Pro Asp Ser Gln Pro Trp Thr Cys  
 35 40 45

Thr Ser Ala Ile Thr Trp Pro Trp Met Asp Glu Gly Gly Trp His Val  
 50 55 60

Asn Arg Asn Trp Thr Arg Glu Thr Thr Lys Glu  
 65 70 75

&lt;210&gt; 7632

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7632

Ile Tyr Pro Leu Phe Ile Gln Ser Met Leu Ser Arg Ser Phe Asn Ser  
 1 5 10 15

Asn Phe Thr Thr Val Ser Ser Phe His Cys Gly Ser Ser Arg Asp Leu  
 20 25 30

His Gly Ser Gln Gly Ser Leu Ala Leu Ser Val Ala Asp Arg Arg Gly  
 35 40 45

Xaa Gly Gly His Ile Xaa Arg Val Ser Thr Tyr Thr Arg Pro Ile Leu  
 50 55 60

Leu Ala Cys Arg Arg Glu Asn Pro Lys Phe  
 65 70

## 6805

<210> 7633

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids



## 6806

<220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (66)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7633  
 Lys His Lys Cys Ser Met Ser Xaa Leu Lys Ile Tyr His Xaa Phe Val  
 1 5 10 15  
 Thr Phe Ile Trp Ser Ile Ser Ser Xaa Thr Tyr Ile Ser Xaa Ile Leu  
 20 25 30  
 Lys Lys Lys Trp Thr Gly Pro Xaa Asn Ala Xaa Xaa Pro Cys Xaa Xaa  
 35 40 45  
 Xaa Phe Thr His Thr Cys Xaa Gly Asp Ala Val Xaa Ala Glu Xaa Trp

6807

50 55 60

Ser Xaa Asn Trp Xaa Xaa Xaa  
65 70

<210> 7634  
<211> 65  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7634  
Lys Ile Lys Leu Leu Xaa Phe Arg Phe Phe Ser Val Pro Lys Met Glu  
1 5 10 15  
Val Lys Ser Tyr Thr Lys Asn Asn Thr Ile Ala Pro Lys Lys Ala Ser  
20 25 30  
His Arg Ile Leu Ser Asp Thr Ser Asp Glu Glu Asp Ala Ser Val Thr  
35 40 45  
Val Gly Thr Gly Glu Lys Leu Arg Leu Leu Ala His Thr Asp Ile Ala  
50 55 60

Trp  
65

<210> 7635  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 6808

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7635

Asn	Ile	Pro	Gly	Gln	Xaa	Asp	Ala	Leu	Leu	Lys	Val	Thr	Leu	Ser	Phe
1				5				10					15		

Gly	Arg	Ala	Xaa	Leu	Xaa	Pro	Gln	Thr	Xaa	Glu	Tyr	Leu	Gly	Gln	Gln
			20					25					30		

Ala

&lt;210&gt; 7636

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7636

Leu	Val	Leu	Asp	Arg	Glu	Gln	Pro	Pro	Thr	Gly	Ser	Leu	Val	Phe	Ile
1				5					10				15		

Tyr	Asn	Lys	Ile	Val	Gly	Asp	Thr	Ser	Lys	Xaa	Xaa	Xaa
			20					25				

&lt;210&gt; 7637

6809

&lt;211&gt; 86

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (83)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7637

Thr	Cys	Arg	Arg	Phe	Gln	Pro	Arg	Pro	Arg	Cys	Leu	Leu	Ser	Ala	Asp
1				5				10						15	

Gly	Lys	Val	Phe	Leu	Asn	Leu	Trp	Phe	Ile	Pro	His	Ser	Ser	Glu	Val
			20				25					30			

Leu	Val	Met	Phe	Lys	Thr	Leu	Pro	Glu	Lys	Ala	Ala	Phe	Lys	Ala	Leu
		35				40						45			

Lys	Arg	Thr	Leu	Gln	Leu	Ile	Ala	Pro	Leu	His	Asp	Ile	Val	Ala	Tyr
	50				55					60					

Leu	Val	Ser	Phe	Ala	Lys	Leu	Gly	Asn	Cys	Pro	Xaa	Cys	Phe	Glu	Phe
65					70				75					80	

Leu	Xaa	Xaa	Pro	Thr	Leu
				85	

&lt;210&gt; 7638

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6810

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7638

Asn	Val	Arg	Thr	Arg	Ser	Pro	Ile	Ala	Gly	Ser	Thr	His	Ala	Ser	Val
1				5					10					15	

Ser	Pro	Leu	Leu	Leu	Thr	Xaa	Phe	Asn	Thr	Glu	Gln	Asn	Ser	Gly	Ala
		20						25					30		

Lys	Xaa	Gly	Xaa
			35

<210> 7639

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

6811

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7639

Xaa	Arg	His	Gly	His	Gly	Leu	Xaa	Thr	Leu	Pro	Val	Tyr	Val	Ala	Glu
1				5					10					15	

Gly	Ala	Xaa	Gly	Thr	Ala	Pro	Pro	Gly	Asn	Cys	Arg	Pro	Ser	Gln	Lys
			20					25					30		

Leu	Leu	Lys	Phe	Xaa	Asn	Lys	His	Xaa	Ile	Trp	Arg	Ser	Gln	Ser	Xaa
		35					40					45			

Xaa

&lt;210&gt; 7640

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7640

Leu	Leu	Arg	Cys	Asn	Pro	Ala	Thr	Ile	Ala	Ala	Gly	Leu	His	Xaa	Lys
1				5					10					15	

Arg	Xaa	Xaa	Ser	Lys
			20	

## 6812

&lt;210&gt; 7641

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7641

Gly	Lys	Asn	Gly	Arg	Thr	Tyr	Gln	Thr	Ile	Lys	Arg	Glu	Ile	Pro	Phe
1				5					10					15	

Glu	Pro	Leu	Xaa	Leu	Leu	Lys	Pro	Glu	Xaa	Xaa	Xaa	Phe
				20					25			

&lt;210&gt; 7642

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7642

Leu	Gly	Leu	Ile	Gln	Thr	Leu	Gly	Thr	Lys	Ser	Ile	Asp	Trp	Ser	Ser
1				5					10					15	

Trp	Val	Glu	Gly	Cys	Leu	Leu	Leu	Leu	Asn	Pro	Gly	Ser	Glu	Glu	Asp
				20					25					30	

Trp	Val	Ala	His	Cys	Val	Ser	Phe	Thr	Met	Val	Thr	Thr	Phe	Pro	Phe
				35					40					45	

6813

Leu Thr Ser Leu Leu Ser  
50

&lt;210&gt; 7643

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7643

Val	Tyr	Gly	Ser	Lys	Lys	Ile	Leu	Lys	Asn	Tyr	Gln	Lys	Val	His	Lys
1				5				10					15		

Asn	Leu	Thr	Asn	Ser	His	Val	Ile	Arg	Leu	Asn	Val	Leu	Arg	Glu	Pro
			20					25					30		

Ala	Val	Phe	His	Thr	Pro	Cys	Asn	Leu	Met	Val	Ile	Ala	Pro	Gln	Gln
		35					40					45			

Asp	Lys	Trp	Val	Thr	Arg	Gln	Ser	Ser	Ser	Xaa	Leu	Val	Gly	Lys	Cys
	50					55					60				

Gln	Tyr	Gln	His	Thr	Phe	Lys	Xaa	Phe	Tyr	Val	Asn	Leu	Gln	Ile	Xaa
65					70				75					80	

Pro Gly Leu

&lt;210&gt; 7644

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



## 6814

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7644  
Xaa Xaa Ala Cys Xaa Asp Ser Arg Ala His Lys Leu Val Xaa Xaa Glu  
1 5 10 15

Pro

<210> 7645  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7645

## 6815

Glu Ile Xaa Tyr Ile Asn Lys Tyr Lys Xaa Arg  
 1 5 10

<210> 7646

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7646

Pro Xaa Asp Arg Asp Ala Gln Xaa Ala Val Pro Gly Phe Val Lys Xaa  
 1 5 10 15

His Cys Ile Gly Ser Asn Ser Xaa Thr Arg Gly Val Ser Lys Xaa Gly  
 20 25 30

Lys

<210> 7647

<211> 27

<212> PRT

<213> Homo sapiens

## 6816

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7647  
Val Gly Cys Ser Asp Asp Phe Gly Phe Xaa Ser Lys Asn Asp Gly Ser  
1 5 10 15  
His Thr Val Ile Pro Xaa Pro Xaa Cys Cys Thr  
20 25

<210> 7648  
<211> 30  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7648

## 6817

Gly	Asp	Leu	Thr	Val	Trp	Asp	Asp	Lys	Met	Arg	Cys	Leu	His	Xaa	Glu
1				5					10					15	
Lys	Ala	His	Asp	Leu	Gly	Ile	Thr	Cys	Xaa	Asp	Phe	Xaa	Xaa		
			20					25					30		

&lt;210&gt; 7649

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7649

Gly	Asn	Lys	Gly	Asn	Cys	Leu	Trp	Leu	Glu	Ser	Xaa	Leu	Gly	Val	Asn
1				5					10					15	

Thr Xaa

&lt;210&gt; 7650

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6818

&lt;400&gt; 7650

His Leu Gln Lys Ile Ser Ala Pro Ala Thr Met Phe Xaa Val Arg Gly  
1 5 10 15

Trp Lys Ser Xaa Xaa Lys Phe Met Val His Thr Pro  
20 25

&lt;210&gt; 7651

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7651

Gly Thr Arg Xaa Leu Glu Arg Asn Ala Pro Gly Glu Lys Thr Asn Ala  
1 5 10 15

Leu Lys Arg Ser Arg Leu Xaa Ser Ser Asn Thr Asp Asp Thr Gln Leu  
20 25 30

Pro Ser Glu Xaa Ala Lys Glu Gln  
35 40

&lt;210&gt; 7652

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6819

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7652

Ala	Asn	Xaa	Val	Pro	Pro	Arg	Xaa	Lys	Thr	Xaa	Xaa	Glu	Phe	Tyr	Ser
1				5					10					15	

His	Lys	Ser	Asp	Ala	Leu	Asn	Met	Ile	Gly	Xaa	Val	Arg	Pro	Ala	Ser
			20					25					30		

Met

&lt;210&gt; 7653

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

## 6820

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7653

Lys Ile His Glu Ser Ala Glu Lys Arg Leu Lys Val Ile Tyr Thr Ser  
1 5 10 15

Gly Arg Arg Asn Asn His Ser Glu Gln His Thr Ser Phe Tyr Thr Ile  
20 25 30

Val Leu His Cys Trp Asp Tyr Ile Xaa Ile Tyr Val Cys Xaa Pro Leu  
35 40 45

Cys Glu His Xaa Ser Met  
50

<210> 7654

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7654

Val Asp Ala Trp Val Val Leu Asp Arg Glu Arg Xaa Pro Phe Phe Phe  
1 5 10 15

Xaa Pro Xaa Ser Pro Pro  
20

<210> 7655

<211> 94

<212> PRT

<213> Homo sapiens

## 6821

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (74)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (80)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (84)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (86)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7655  
 Ala Arg Phe Pro Xaa Asn Phe Ser Pro Phe Phe Xaa Pro Gln Leu Lys  
 1 5 10 15  
 Xaa Gln Phe Pro Lys Lys Asn Leu Gly Glu Pro Lys Asn Leu Gly Ala  
 20 25 30



6822

Leu Ser Phe Pro Phe Phe Ser Pro Leu Gly Gly Glu Pro Lys Lys Ile  
           35                          40                          45

Phe Lys Gly Gly Ala Pro Xaa Lys Val Pro Leu Leu Thr Arg Xaa His  
       50                          55                          60

Leu Pro Leu Gly Pro Leu Ile Ser Trp Xaa Phe Phe Pro Phe Phe Xaa  
       65                          70                          75                          80

Pro Leu Gly Xaa Trp Xaa Leu Gly Leu Leu Glu Ala Ser Trp  
                           85                          90

<210> 7656

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7656

Glu Gly Ser Leu Ser Ser Glu Thr Gln Asp Gly Xaa Ile Gly Xaa Asn  
       1                          5                          10                          15

Cys Leu Leu Leu Cys Xaa Arg Ala  
                           20

<210> 7657

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

## 6823

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7657

Val	Asp	Ala	Trp	Ala	Arg	Ala	Gln	Ser	Ser	Gly	Ala	Pro	Leu	Pro	Xaa
1				5				10					15		

Thr	Ala	Xaa	Arg
			20

&lt;210&gt; 7658

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7658

Val	Ala	Val	Thr	Ala	Phe	Ile	Ser	Pro	Val	Ile	Phe	Leu	Thr	Glu	Ile
1				5				10					15		

6824

Leu Ser Leu Ser Pro Gly Asn Ile Gly Asp Tyr Gln Asn Xaa Leu Val  
                   20                  25                  30

Xaa Ala Xaa Xaa Leu Lys Ile Xaa Lys Gly Lys Asn  
           35                  40

&lt;210&gt; 7659

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7659

Lys Met Lys Gly Ile Ile Tyr Asp Lys Xaa Xaa Ser Asp Ile Leu Leu  
       1                  5                  10                  15

Gln

&lt;210&gt; 7660

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6825

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7660

Xaa Ser Ile Gly Lys Ala Gly Thr Pro Gly Gly Asn Gly Pro Glu Xaa  
1 5 10 15

Pro Gly Gly Xaa Xaa Cys Ala Gly Leu Glu Leu Tyr Gly Glu Arg Arg  
20 25 30

Asp Ile Lys Xaa  
35

&lt;210&gt; 7661

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7661

Ala Leu Gly Glu Glu Pro Leu Ile Pro Ser Val Leu Gln Trp Pro Ser  
1 5 10 15

## 6826

Ser Leu Gly Pro Xaa Thr Met Cys Xaa Xaa Asp Xaa His Arg Ala Arg  
                   20                  25                  30

Val

<210> 7662

<211> 53

<212> PRT

<213> Homo sapiens

<400> 7662

Val Tyr Cys Leu Pro Gln Ser Pro Leu Ser His Tyr Thr Gln Gly Leu  
       1                  5                  10                  15

Ala Phe Asn Lys Lys Leu Gly Tyr Ile Pro Lys Ser Lys Ala Asn Asn  
                   20                  25                  30

Asp Ser Leu Ser Arg Asp Lys Val Val Asn Arg Asn Arg Pro Arg Ser  
           35                  40                  45

Asn Ala Pro Arg Cys  
       50

<210> 7663

<211> 56

<212> PRT

<213> Homo sapiens

<400> 7663

Ile Arg His Ile Val Lys Leu Ser Leu Asp Val Ser Ile Phe Lys Ile  
       1                  5                  10                  15

Ile Phe Lys Met Thr Phe Lys Gly Phe Lys His Arg Leu Ser Lys Ser  
           20                  25                  30

Leu Thr Phe Ser Asp Thr Phe Leu Ser Ser Lys Leu Phe Gly Glu Tyr  
           35                  40                  45

Leu Phe Phe Lys Lys Thr Asp Arg  
       50                  55

<210> 7664

<211> 52

6827

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7664

Ser	Ile	Ser	Tyr	Arg	Leu	Asn	His	Ile	His	Val	Val	Asp	Val	Leu	Xaa
1					5				10					15	

Asn	Arg	Xaa	Trp	Val	Met	Cys	Xaa	Leu	Thr	Ile	Xaa	Thr	Leu	Pro	Val
			20					25					30		

Tyr	Ile	Lys	Ala	Ile	Lys	Asn	Leu	Asn	Ile	Val	Ile	Xaa	His	Cys	Ile
		35					40					45			

Pro	Xaa	Thr	Xaa
			50

6829

&lt;400&gt; 7666

Gln Tyr Leu Leu Gln Leu Thr Leu Leu His Ser Pro Gln Ile Ile Leu  
 1 5 10 15

Thr Asp Gly Ile Asn Pro Gly Asn Asn Asn Gly Gly Leu Ser Ser Thr  
 20 25 30

Leu Cys His Ser Gly Asn Cys Ala Thr Lys Asn Lys Leu Gly Phe Cys  
 35 40 45

Phe Gly Ile Ala Gly Glu Glu Thr Gln Ala Val Val Ser Cys Lys Ser  
 50 55 60

Leu Ser Glu Thr Xaa Leu Thr Xaa Xaa Leu Phe Ser Leu Xaa  
 65 70 75

&lt;210&gt; 7667

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7667

Thr Phe Val Tyr Lys Met Lys Xaa Xaa Gln Xaa Lys Glu Tyr Lys Xaa  
 1 5 10 15

Met Lys Lys

6830

&lt;210&gt; 7668

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7668

Arg	Thr	Tyr	Phe	Pro	Xaa	Lys	Met	Pro	Thr	Thr	Lys	Lys	Thr	Leu	Met
1				5					10					15	

Phe	Leu	Ser	Ser	Phe	Phe	Thr	Ser	Leu	Gly	Ser	Phe	Ile	Val	Ile	Cys
			20					25					30		

Ser	Ile	Leu	Gly	Thr	Gln	Ala	Trp	Ile	Thr	Ser	Thr	Ile	Ala	Xaa	Arg
		35					40					45			

Asp	Ser	Ala	Ser	Xaa	Gly	Ser	Ile	Phe	Ile	Thr	Tyr	Gly	Leu	Phe	Arg
		50				55					60				

Gly	Glu	Ser	Ser	Glu	Glu	Leu	Ser	His	Gly	Leu	Ala	Glu	Pro	Lys	Lys
65					70					75					80

Lys	Ile	Ala	Val	Leu	Glu	Ile	Leu	Asn	Asn	Ser	Ser	Gln	Lys	Thr	Leu
				85					90					95	

His	Ser	Val	Thr	Ile	Leu	Thr
					100	

&lt;210&gt; 7669

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;



6831

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7669

Gly	Xaa	Leu	Val	Arg	Leu	Gln	Val	His	Gly	Pro	Glu	Phe	Pro	Gly	Arg
1				5					10					15	

Xaa	Thr	Arg	Pro	Asn	Ala	Asp	Val	Xaa	Gln	Lys	Leu	Tyr	Leu	Ser	Ala
			20						25				30		

Phe	Gly	Trp	Thr	Ser	Tyr	Phe	Pro	Leu	Ser	Leu	Asp	Asp	Ala	Ala	Arg
		35						40				45			

Glu	Phe	Leu	Ser	Leu	Phe	Cys	Ser	Arg	Arg	Thr	Ser	Cys	Xaa	His	Gly
		50				55					60				

Gln	Leu
65	

&lt;210&gt; 7670

&lt;211&gt; 125

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6832

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (115)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (124)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7670

Xaa	Asp	Ser	Leu	Xaa	Gly	Xaa	Leu	Val	Arg	Leu	Gln	Val	Pro	Val	Arg
1				5					10					15	

Asn	Ser	Arg	Val	Xaa	Pro	Arg	Val	Arg	Pro	Arg	Val	Arg	Thr	Ala	Ser
			20					25					30		

Arg	Ala	Thr	Ser	Arg	Gly	Pro	Gln	Gly	Met	Asp	Leu	Gln	Ala	Ala	Gly
		35					40					45			

Ala	Gln	Ala	Xaa	Gly	Ala	Ala	Glu	Pro	Xaa	Arg	Gly	Pro	Pro	Leu	Pro
	50					55					60				

Ser	Ala	Arg	Gly	Ala	Pro	Pro	Ser	Pro	Glu	Ala	Gly	Phe	Ala	Thr	Ala
65					70				75						80

Asp	His	Ser	Gly	Gln	Glu	Arg	Glu	Thr	Glu	Lys	Ala	Met	Asp	Arg	Leu
				85					90					95	

Ala	Arg	Gly	Thr	Gln	Ser	Ile	Pro	Asn	Asp	Ser	Pro	Ala	Arg	Gly	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6833

[illegible]

```
<210> 7671
<211> 14
<212> PRT
<213> Homo sapiens
```

<400> 7671  
Ala Lys Ile Tyr Cys Gly Met His Leu Ile Asn Leu Phe Met  
1 5 10

```
<210> 7672
<211> 21
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids
```

<400> 7672  
Ala Asp Ala Trp Ala Asp Phe Gln Asn Glu Val Cys Ala Gly Xaa Xaa  
1 5 10 15

Leu Xaa Thr Arg Xaa  
20

6834

&lt;210&gt; 7673

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7673

Ala	His	Ala	Ser	Xaa	Ser	Gly	Arg	Pro	Phe	Xaa	Xaa	Phe	Leu	Xaa	Glu
1				5					10					15	

Ile Tyr Xaa Cys Thr Glu

20

&lt;210&gt; 7674

&lt;211&gt; 85

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7674

## 6835

Arg Gln Arg Phe Lys Asp Pro Gly Arg Val Ser Leu Ser Arg Gln Cys  
 1 5 10 15  
 Trp His Leu Gln Gln Asp Arg Ala Pro Cys Arg Val Ser Leu Val Lys  
 20 25 30  
 Thr Ala Asp Lys Cys Ser Glu Val Leu Leu Gln Xaa Ala Pro His Gln  
 35 40 45  
 Thr Ser Ser Ala Ala Trp Phe Glu Cys Cys Ser Trp Leu Gln Thr Cys  
 50 55 60  
 Phe Ser Ser Pro Leu Leu Ile Leu Glu Ala Ala Lys Tyr Pro Phe Asn  
 65 70 75 80  
 Glu Phe Leu Phe Cys  
 85

&lt;210&gt; 7675

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7675

Thr Gln Gly Gly Glu Lys Arg Xaa Thr Gly Leu Asn Xaa Pro Xaa Trp  
 1 5 10 15  
 Pro Arg Gly Phe Lys Pro Arg Gly Val Pro Gly Gly Lys Ile Xaa Tyr  
 20 25 30

6836

Thr Arg Glu  
35

&lt;210&gt; 7676

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7676

Gly	Glu	Asn	Lys	Arg	Ala	Val	Arg	Arg	Xaa	Arg	Asn	Asp	Trp	Gly	Gly
1				5					10					15	

Leu	Lys	Lys	Lys	Xaa	Xaa	Pro	Pro	Gly
			20				25	

&lt;210&gt; 7677

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6837

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7677

Xaa	Gly	Lys	Lys	Ala	Xaa	Xaa	Leu	Thr	Gly	Lys	Arg	Gln	Xaa	Val	Lys
1				5					10					15	

Arg	Gly	Val	Thr	Pro	Gly	Lys	Phe	Tyr	Thr	Gln	Xaa	Val	Thr	Gly	Thr
			20					25					30		

Pro	Asn	Arg	Pro
			35

&lt;210&gt; 7678

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7678

Leu	Gly	Gly	Gly	Gly	Lys	Lys	Lys	Val	Pro	Thr	Gly	Val	Xaa	Asn	Arg
1				5					10					15	

Thr	Pro	Pro	Ala	Pro	Arg	Gly	Phe	Lys	Pro	Xaa	Gly	Val	Tyr	Thr	Gly
			20					25					30		

Gly	Lys	Asn
		35

6839

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7680

Glu	Gln	Xaa	Val	Lys	Arg	Pro	Arg	Gly	Tyr	Arg	Pro	Ser	Ala	Gln	Xaa
1				5				10						15	

Leu	Thr	Ala	Gly	Val	Pro	Gly	Glu	Asn	Xaa	His	Pro	Xaa	Gly	Thr	Gly
			20				25						30		

Thr	Pro	Asn	Gly	Pro
				35

&lt;210&gt; 7681

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7681

Lys	Leu	Tyr	Ile	Leu	Cys	Glu	Thr	Val	Phe	His	Cys	Pro	His	Ser	Lys
1				5					10					15	

Ile	Ile	Ser	Gln	Leu	Lys	Lys	Ile	Pro	Lys	Gln	Phe	Cys	Val	Leu	Ser
			20				25						30		

Met	Leu	Tyr	Tyr	Tyr	His	His	Ile	Cys	Leu	Val	Leu	Xaa	Leu	Asn	Xaa
			35				40					45			

Phe	Met	Gly	Thr	Phe	Tyr	Val	Phe	Leu	Thr	Ile	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



## 6840

50

55

60

&lt;210&gt; 7682

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7682

Pro Gln Val Leu Ile Val Glu Glu Ser Met Val Gly Ser Cys Gly Thr  
 1 5 10 15

Met Ser Ala Val Cys Ser Val Lys Cys Gly Cys Cys Arg Ala Cys Phe  
 20 25 30

Thr Tyr Gly Lys Val Lys Phe Met Pro Trp Thr Lys Pro Gly Phe Leu  
 35 40 45

Glu Leu Leu Leu Ala Ser Ile Lys Ile Thr Ser Arg Leu His Val Trp  
 50 55 60

Ile Cys Ile Pro Ala Gly Gly Ile Ser Cys Phe Ala Asp  
 65 70 75

&lt;210&gt; 7683

&lt;211&gt; 137

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7683

Thr Arg Ala Gln Ser Asp Ser Ser Gln Thr Leu Gly Ser Ser Met Asp  
 1 5 10 15

Cys Ser Thr Ala Arg Glu Glu Pro Ser Ser Glu Pro Gly Pro Ser Pro  
 20 25 30

Leu Pro Leu Pro Ser Gln Gln Gln Val Glu Glu Ala Thr Val Gln Asp  
 35 40 45

Leu Leu Ser Ser Leu Ser Glu Asp Pro Cys Pro Ser Gln Lys Ala Leu  
 50 55 60

Asp Pro Ala Pro Leu Ala Arg Pro Ser Pro Ala Gly Ser Ala Gln Thr  
 65 70 75 80

Ser Pro Glu Leu Glu His Arg Val Ser Leu Phe Asn Gln Lys Asn Gln  
 85 90 95

## 6841

Glu Gly Phe Thr Val Phe Gln Ile Arg Pro Val Ile His Phe Gln Pro  
                   100                                  105                                  110

Thr Val Pro Met Leu Glu Asp Lys Phe Arg Ser Leu Glu Ser Lys Glu  
                   115                                  120                                  125

Gln Lys Leu His Arg Val Pro Glu Ala  
                   130                                  135

<210> 7684

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7684

Asp Phe Leu Tyr Gly Tyr Leu Glu Ile Leu Tyr Met Lys Asn Asn Xaa  
       1                                  5                                  10                                  15

Trp Phe Lys Ile Asp His Phe Asn Lys Xaa Thr Ile Phe Leu Phe Thr  
                   20                                  25                                  30

Lys Met Leu Phe Phe Tyr Asp Val Asn Asn Cys  
                   35                                  40

<210> 7685

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

6842

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7685

Gly	Arg	Asn	Leu	Val	Arg	Glu	Ile	Arg	Tyr	Xaa	Val	Val	Ser	Asn	His
1				5				10					15		

Lys	Val	Phe	Val	Xaa	Phe	Lys	Trp	Ile	Asp	Tyr	Leu	Xaa	Xaa
			20					25					30

<210> 7686

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6843

&lt;400&gt; 7686

Xaa Ala Glu Thr Ala Lys Asp Val Gly Xaa Glu Ala Thr Ile His Leu  
 1 5 10 15

Lys Ser Ala Tyr Xaa Pro Tyr Tyr Ser Glu Gly Val Xaa Gln Trp Asn  
 20 25 30

Lys Xaa

&lt;210&gt; 7687

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7687

Ser Gly Ile Lys Cys Phe Thr Glu Ala Met Gly Tyr Val Ser Ile Gly  
 1 5 10 15

Arg Gly Ala Phe His Ser Ala Leu Lys Ala Asn Val Ser Phe Thr Gly  
 20 25 30

Ala Cys Gly Lys Ala Asn Val Xaa Ile Ser Asn Asp Lys Gly Gly Glu  
 35 40 45

Lys Pro Pro Arg Xaa Lys Thr Xaa Val Ser  
 50 55

&lt;210&gt; 7688

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6844

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

6845

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7688  
 Leu Gly Thr Ile Tyr Leu Gln Met Phe Cys Ser Ile Asp Cys Ser Asn  
 1 5 10 15  
 Gln Gly Phe Phe Leu Xaa Asn Gln Xaa Trp Xaa Val Xaa Xaa Xaa Lys  
 20 25 30  
 Xaa Pro Glu Xaa Lys Xaa Xaa Asn Trp Xaa Leu Glu Asn Leu Arg Glu  
 35 40 45  
 Lys Ile Asn Ser Asn Lys Phe Xaa Ile Leu Pro Leu Arg Thr Leu Asn  
 50 55 60  
 Gly Glu Xaa Leu Lys Lys Xaa Phe Phe Phe Lys Pro Ser  
 65 70 75

<210> 7689  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (99)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (104)

6846

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7689

Ala	Asp	Ala	Trp	Val	Leu	Lys	Lys	Leu	Gly	Leu	Ile	Val	Tyr	Ser	Ala
1				5				10						15	

Trp	Ser	Thr	Ser	Ala	Phe	Leu	Pro	Leu	Leu	Leu	Pro	Phe	Ser	Tyr	Ser
			20					25					30		

Arg	Leu	Phe	Leu	Asn	Ser	Val	Met	Leu	Ala	Phe	Thr	Lys	Ala	Leu	Thr
		35					40					45			

Phe	Pro	Val	Ile	Arg	Lys	Arg	Cys	Leu	Cys	Phe	His	Tyr	Phe	Ser	Tyr
	50					55					60				

Lys	Lys	Thr	His	Ser	Gln	Ile	His	Ile	His	Tyr	Thr	Val	Cys	Gly	Ile
65					70					75					80

Thr	Pro	Ser	Leu	Asn	Gly	His	Ser	Val	Asp	Phe	Thr	Ile	Met	Ala	Thr
				85					90					95	

Leu	Cys	Xaa	Trp	Met	Gln	Asn	Xaa	Xaa	Xaa
		100					105		

&lt;210&gt; 7690

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7690

Val	Leu	Val	Arg	Arg	Cys	Gln	Phe	Cys	Trp	Leu	Phe	Asn	Asn	Thr	Gly
1					5				10					15	

Trp	Leu	Val	Leu	Ile	Asp	Asn	Leu	Gln	Tyr	Leu	Tyr	Ser	Arg	Phe	Val
			20					25					30		

Pro	Glu	Ile	Met	Asn	Leu	Asn	Phe	Leu	Leu	Pro	Ser	Ser	Cys	Asn	Trp
		35					40					45			

6847

Ile Val  
50

<210> 7691  
<211> 19  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7691  
Ala Leu Leu Met Arg Asp Val Arg Leu Pro Gly Gly Xaa Xaa Ala Leu  
1 5 10 15

Ser Xaa Asp

<210> 7692  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 7692  
Leu Glu Asn Lys Cys Val Pro Ala Gln Ser Val Gly Ala Pro Gln Pro  
1 5 10 15

Trp Pro Gln Asp Arg Cys Glu Ala Met Asn  
20 25

<210> 7693  
<211> 15  
<212> PRT



6848

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7693

Phe	Glu	Thr	Ser	Leu	Thr	Gly	His	Gly	Gly	Gly	Pro	Phe	Xaa	Ser
1				5				10					15	

&lt;210&gt; 7694

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7694

Ala	Pro	Pro	Pro	Ala	Gly	Gly	Gly	Gly	Val	Xaa	Asp	Gly	Xaa	Xaa	Xaa
1				5				10					15		

Ile	Xaa	Glu	Arg	Val
				20

6849

&lt;210&gt; 7695

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7695

Val	Thr	Arg	Arg	His	Gly	Cys	Leu	Leu	Ser	Trp	Arg	Ile	Ser	Gln	Gly
1				5					10					15	

Leu	Leu	Ala	Gly	Asn	Leu	Thr	Xaa	Asn	Xaa	Asp	Leu	Thr	Val	Xaa	Cys
			20					25					30		

Gln	Ile	Lys	Lys	Thr	Phe	Xaa	Pro	Cys
		35					40	

&lt;210&gt; 7696

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

## 6850

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7696

Ile	Thr	Ser	Ser	Phe	Val	Ala	Lys	Lys	Ile	Cys	Tyr	Thr	Xaa	Leu	Xaa
1				5					10					15	

Leu	Tyr	Leu	Asn	Asn	Asn	Leu	Cys	Ala	Gly	Met	Asp	Ile	Met	Pro	His
			20					25					30		

Cys

<210> 7697

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6851

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (86)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (94)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7697

Ala	Glu	Tyr	Thr	Phe	Leu	Leu	Leu	Phe	Trp	Lys	Arg	Xaa	Ala	Cys	Val
1				5					10					15	

Leu	Val	Leu	Thr	Ala	Arg	Pro	Ser	Arg	Pro	Leu	Leu	Pro	Lys	Trp	Trp
			20					25					30		

Gln	Tyr	Leu	Ala	Ile	Gly	Arg	Xaa	Ile	Xaa	Xaa	Ala	Cys	Thr	Phe	Lys
		35					40					45			

Ile	Xaa	Ala	Asp	Val	Leu	Xaa	Arg	Ser	Leu	Xaa	Xaa	Ala	Ala	Xaa	Ser
	50					55					60				

Xaa	Leu	Gln	Ser	Val	Leu	Asn	Ser	Met	Lys	Ile	Thr	Met	Xaa	Ser	Leu
	65				70					75					80

Thr	Phe	Val	Thr	Leu	Xaa	Tyr	Leu	Leu	Ala	His	Phe	Thr	Xaa	Thr	Ile
				85					90					95	

6852

&lt;210&gt; 7698

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7698

Arg	Leu	Asp	Asn	Gln	Glu	Met	Thr	Asn	Gln	Glu	Ser	Ala	Val	His	Val
1				5					10					15	

Lys	Met	Met	Pro	Glu	Phe	Gln	Lys	Ser	Ser	Val	Arg	Ile	Lys	Asn	Pro
			20					25					30		

Thr	Arg	Val	Xaa	Xaa	Ile	Ile	Cys	Gly	Leu	Ile	Lys	Gly	Gly	Xaa	Ala
			35				40					45			

Lys	Leu	Xaa	Ile	Ile	Thr	Asp	Phe	Asp	Met	Thr	Leu
	50					55					60

&lt;210&gt; 7699

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6853

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7699

Cys	Glu	Ala	Ala	Glu	Arg	Thr	Ala	Thr	Pro	Gly	Glu	Ala	Arg	Ala	Pro
1				5					10					15	

Gly	Ala	Gly	Ala	Gly	Ala	Gly	Ala	Ala	Pro	Ser	His	Ala	Arg	Gly	Xaa
		20						25						30	

Arg	Arg	Ala	Pro	Xaa	Glu	Xaa	Arg
		35					40

&lt;210&gt; 7700

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7700

His	Gln	Glu	Ser	Leu	Lys	Cys	Leu	Asn	Cys	Glu	Leu	Ile	Arg	Arg	Lys
1				5				10						15	

## 6854

Met Lys Tyr Val Ser Thr Leu Val Thr Leu Val Phe Thr Asp Ile Met  
                   20                  25                  30

Ile Ser Leu Gln Xaa Tyr Xaa Thr Asn Glu Lys Leu Glu Ala Ile Xaa  
           35                  40                  45

Glu Pro Cys Asp Gly Val Lys Pro Thr Phe Asp Arg  
       50                  55                  60

<210> 7701

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7701

Gly Thr Trp Trp Cys Cys Cys Leu Lys Pro Pro Cys Tyr Leu Leu Val  
       1                  5                  10                  15

Gly Leu Asn Pro Asp His Pro Ile Xaa Glu Thr Xaa Gly Xaa Arg Leu  
                   20                  25                  30

Lys

<210> 7702

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

## 6855

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7702

His	Thr	Lys	Cys	Ile	Leu	Ser	His	Ile	Asn	Tyr	Ala	Leu	Gln	Val	Gly
1				5					10				15		

Arg	Val	Asp	Thr	Val	Asp	Thr	Ala	Phe	Leu	Met	Leu	Ser	His	Cys	Asp
			20					25					30		

Gln	Lys	Leu	Phe	Tyr	Ser	Cys	Val	Ala	Phe	Ile	Glu	Gly	Asp	Leu	Xaa
		35					40					45			

Lys	Phe	Glu	Lys	Phe	Xaa	Ile
	50					55

<210> 7703

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7703

Leu	Ile	Arg	Glu	Asp	Cys	Gln	Xaa	Xaa	Lys	Leu	Trp	Asp	Glu	Xaa	Val
1					5				10				15		



## 6856

Ser His Xaa Val Glu Gly Pro Asn Phe Leu Lys  
                   20                                  25

<210> 7704

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7704

Gly Phe Ala Val Phe Cys Leu Pro Xaa Ser His Trp Leu Ser Cys Tyr  
      1                  5                                  10                                  15

Tyr Ile Tyr Cys Cys Phe Met Ile Tyr Phe Glu Tyr Gly Ala Tyr Asp  
                   20                                  25                                  30

Leu Gly Thr Asn Ala Tyr Xaa Leu Tyr Xaa Asp Tyr Ser Xaa Ile Tyr  
                   35                                  40                                  45

His Ser Val Xaa Xaa Asn

6857

50

&lt;210&gt; 7705

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7705

Asp	Arg	Asp	Tyr	Gly	Ser	Ser	Gly	Gly	Lys	Asp	Gln	Pro	Ala	Pro	Asn
1				5					10					15	

Gly	Asp	Cys	Val	Gly	Ala	Ala	Thr	Leu	Phe	Pro	Gln	Ala	Phe	Leu	Ser
			20					25					30		

Pro	Phe	Ile	Ser	His	Glu	Met	Gly	Ser	Glu	Leu	Lys	Lys	Lys	Leu	Phe
			35				40					45			

Lys	Arg	Arg	Arg	Xaa	Leu	Asn	Xaa	Glu	Xaa
						55			

&lt;210&gt; 7706

&lt;211&gt; 84

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

6858

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7706

Tyr	Leu	Phe	Tyr	Lys	Met	Gln	Ser	Gln	Val	Pro	Gln	Pro	Arg	Leu	Ser
1				5					10					15	

Gln	Thr	Cys	Ser	Leu	Met	Thr	Gln	Val	Ser	Leu	Arg	Tyr	Ser	Trp	Cys
			20					25					30		

Pro	Pro	Gly	Gln	Thr	Val	Ser	Leu	Ile	Ile	Thr	Lys	Ala	Lys	Ala	Trp
		35					40					45			

Val	Gly	Glu	Gln	Val	Ser	Ser	Phe	Tyr	Pro	Ser	Gln	Ala	Ala	His	Leu
	50					55					60				

Leu	Phe	Lys	Asn	Ser	Lys	Ser	Xaa	Asn	Xaa	Lys	Phe	Gly	His	Glu	Pro
65						70				75					80

Leu Xaa Asn Leu

&lt;210&gt; 7707

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6859

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7707

Gly	Xaa	Ile	Leu	Gln	Lys	Arg	Asn	Cys	Xaa	Ala	Gly	Val	Ile	Xaa	Xaa
1				5					10					15	

Asn

&lt;210&gt; 7708

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7708

Leu	Pro	Gly	Trp	Arg	Trp	Pro	Leu	Thr	Asp	Met	Ala	Ser	Glu	Glu	Cys
1				5					10					15	

Ser	Thr	Lys	His	Gly	Pro	Lys	Ser	Thr	Pro	Gln	Lys	Arg	Lys	Gly	Met
			20					25					30		

Lys	Gly	Ser	Phe	Ala	Cys	Phe	Thr	His	Leu	Ser	Arg	Ser	Gly	Pro	Xaa
		35					40					45			

Arg	Glu	Asp	Leu	Leu	His	Cys	Cys
	50					55	

&lt;210&gt; 7709

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6860

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7709

Phe Tyr Phe Xaa Lys Met Ser Xaa Gly Phe Pro Phe Pro Leu Xaa Xaa

1

5

10

15

Gln Leu His Ala Ser Pro Gly His Lys Ile Leu Ser Asp Cys Xaa Ile

20

25

30

Tyr Ser Ile Thr Cys Gln Xaa Tyr Val Pro Val Val Asp Tyr Ile Ser

35

40

45

## 6861

Xaa Leu Xaa Gly Leu Gly Leu Val Phe Arg Ile Asp Ser Lys Gly Xaa  
 50 55 60

Xaa Lys Ala  
 65

<210> 7710

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7710

Gln Leu Glu Glu Xaa Ser Val Xaa Asn Pro Glu Xaa Ala Phe Met Lys  
 1 5 10 15

6862

Met Xaa Gln Ala Arg Lys Asn Tyr Thr Ser Thr Glu Leu Thr Val Glu  
                   20                  25                  30

Pro Glu Xaa Pro Ser Xaa Ser Xaa Gly Ile Asn Leu Ser Gly Phe Gly  
                   35                  40                  45

Ser

<210> 7711

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7711

Leu Xaa Xaa Gly Ala Xaa Xaa Pro Phe Thr Lys Pro Arg Asp Leu Val  
      1                  5                  10                  15

## 6863

Leu Pro Ile Pro Ala Val Cys Thr Lys Gly Pro Arg Gln Ala Met Ser  
                   20                  25                  30

Ala Phe Arg Xaa Leu Xaa  
                   35

<210> 7712

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7712

Thr Val Xaa Leu Lys Thr Gln Asn Cys Xaa Leu Pro Thr Asn Gln Ser  
       1                  5                  10                  15

Phe Asp Leu Leu Arg Gln Ile Cys Phe Glu Ile Val Asn Ile Arg Gly  
                   20                  25                  30

Asn Leu Val Thr Arg Phe Val Thr Arg His Leu Phe Ser Leu His Gly  
                   35                  40                  45

Glu Lys  
       50

<210> 7713

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)



## 6864

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7713

Ala	His	Ala	Ser	Xaa	Ile	Phe	Lys	Asn	Leu	Ser	Met	Val	Xaa	Gly	Trp
1				5				10					15		

Xaa	Tyr	Thr	Asn	Xaa	Cys	Ile
			20			

<210> 7714

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6865

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7714  
 Xaa Glu His His Ala Phe Pro Ser Leu Gln Xaa Xaa Thr Pro Ser Ala  
           1                  5                  10                  15  
 Ala Phe His Leu Tyr Leu Xaa Ser Ile Ile Ile Ile Ile Ala Xaa  
                   20                  25                  30  
 Val Ala Ser Val Thr Val Gly Met Glu Cys Leu Arg Leu Ala Xaa Trp  
           35                  40                  45  
 Val Gly His Thr Thr Leu Cys Xaa Val Asp Leu Leu Xaa Ser Ser Leu  
           50                  55                  60  
 Lys Leu Phe Tyr Xaa Xaa  
           65                  70

<210> 7715  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)

6866

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7715

Phe	Leu	Ile	Met	Ser	Asn	Asp	Cys	Lys	Ser	Ala	Trp	Ile	Phe	Thr	Cys
1				5				10					15		

Lys	Gly	Tyr	Ser	Cys	Ile	Val	Arg	Ser	Pro	Ser	Pro	Ala	Glu	Ser	Ser
			20					25					30		

Xaa	His	Trp	Leu	Ala	Val	Cys	Cys	Val	Xaa	His	Ser	Phe
			35				40					45

<210> 7716

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6867

&lt;222&gt; (107)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7716

Leu Ala Arg Gly Asn Pro Gly Ser Arg Xaa Asn Phe Pro Gly Gly Phe  
 1 5 10 15

Xaa Pro His Xaa Gly Pro Ala Cys Lys Ser Trp Ile Gly Gln Pro Gly  
 20 25 30

Leu Pro His Phe Pro Gly Xaa Gln Pro Ser Gln Ile Arg Thr Pro Ile  
 35 40 45

Phe Gly Leu Ala Lys Pro Arg Xaa Pro Lys Leu Arg Ala Leu Gly Ser  
 50 55 60

Ile Arg Val Ala Ser Ser Leu Pro Val Pro Asp Leu Ile Leu Arg Gln  
 65 70 75 80

Arg Leu Leu Gln Asp Pro Val Ala Arg Pro Gln Ala Met Ala Gly Pro  
 85 90 95

Phe Ser Arg Leu Cys Pro Pro Pro Gly Leu Xaa Leu Cys Phe Gly Gly  
 100 105 110

Arg Gly Leu Tyr Arg Gly Phe Val Asp Glu Leu Thr Thr Ala Val Thr  
 115 120 125

Thr Glu Val Ile Pro Thr  
 130

&lt;210&gt; 7717

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

## 6868

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7717

Leu	Xaa	Xaa	His	Cys	Ser	Glu	Leu	Thr	Cys	Val	Pro	Pro	Trp	Thr	Ile
1				5					10					15	

Asn	Gly	Xaa	Ile	Asn	Pro	Xaa	Lys	Tyr	Lys	Xaa	Pro	Pro	Arg	Glu	Gly
			20					25					30		

Leu	Arg	Gly	Xaa	Pro	Gly	Xaa	Leu	Ser
		35					40	

<210> 7718

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6869

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7718

His	Gln	Trp	Lys	Gln	Leu	Ala	Ser	Leu	Leu	Arg	Xaa	Leu	Trp	Val	Arg
1				5					10					15	

Xaa	Xaa	Arg	Pro	Asn	Lys	Arg	Arg	Leu	Cys	Xaa	Cys
			20					25			

&lt;210&gt; 7719

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7719

Glu	Phe	Met	Leu	Lys	Trp	Ile	Tyr	Arg	Ile	Phe	Val	Asn	Leu	Phe	Leu
1				5					10					15	

Val	Phe	Val	Arg	Phe	Phe	Asn	Cys	Ser	Phe	Leu	Cys	Ala	Glu	Cys	Ile
			20					25					30		

Ser	Leu	Pro	Gly	Gln	Glu	Cys	Gly	Gly	Ala	Glu	Val	Ser	Ser	Phe	Xaa
		35					40					45			

Xaa	Thr	Phe	Xaa	Gln
				50

6870

&lt;210&gt; 7720

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids,

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7720

Glu	Pro	Leu	Thr	Lys	Asn	Pro	His	Cys	Pro	Cys	Xaa	Gly	Ala	Val	Val
1				5				10						15	

Val	Asn	Ser	Pro	Xaa	Gly	Leu	Asn	Glu	Gly	Val	Lys	Xaa	Tyr	Glu	Pro
			20					25					30		

Asp	His	Xaa	Ala	Ile
				35

&lt;210&gt; 7721

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7721

Ile	Arg	His	Val	Arg	Leu	Asp	Ile	Ser	Asp	Leu	Ala	Leu	Arg	Lys	Ser
1				5				10						15	

Lys	Thr	Val	His	Ser	Gln	Val	Leu	Ser	Arg	Ser	Phe	Ala	Glu	Phe	Gln
			20					25					30		

Gly	Leu	Arg	Cys	Met	Ala	Ser	His	Gly	Arg	Trp	Tyr	Leu	Arg	Ala	His
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6871

	35		40		45										
Leu	Arg	Arg	Gly	Leu	Ser	Ala	Gly	Glu	Gly	Gly	Ser	Phe	Ser	Glu	Glu
	50					55					60				
Pro	Val	Gly	Thr	Ala	Ile	Cys	Gln	Ala	Leu	Val	Trp	Ala	Leu	Gly	Leu
	65				70					75				80	

<210> 7722  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 7722  
 Arg Thr Arg Gly Pro Leu Phe Pro Leu Gln Thr Asn Asn Ser Ser Val  
 1 5 10 15

Thr Phe His Leu Ile Pro Thr Pro Leu Met  
 20 25

<210> 7723  
 <211> 72  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids



6872

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7723

Xaa	Asn	Pro	Pro	His	Arg	Ala	Ser	Xaa	Xaa	Ile	Lys	Pro	Gln	Ala
1				5				10					15	

Ser	Gln	Thr	Ser	Phe	Lys	Xaa	Gly	Glu	Lys	Arg	Asp	Val	Val	Val	Asn
			20					25				30			

Arg	Arg	Phe	Val	Glu	Xaa	Gly	Glu	His	Arg	Gly	Cys	Xaa	Ala	Gly	Arg
		35					40					45			

Ile	Phe	Ser	Pro	Arg	Gly	Xaa	Ala	Ala	Leu	His	Xaa	Pro	Leu	Xaa	Arg
	50					55					60				

Gly	Arg	Asn	Leu	Ala	Ile	Ala	Leu
65					70		

&lt;210&gt; 7724

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 6873

<222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7724  
 Xaa Trp Pro Trp Pro Trp Thr Gly Leu Pro Trp Xaa Val Gly Asn Xaa  
     1                    5                    10                    15  
  
 Lys Leu Gly Lys Xaa Gly Val Leu Ile Gly Trp Gly Xaa Pro Glu Asn  
                     20                    25                    30  
  
 Ser Xaa

<210> 7725  
 <211> 56  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>

6874

<221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (53)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7725  
 Ser Pro Pro Cys Ser Xaa Glu Ile Asp Ser Pro Xaa Arg Val Leu Gln  
 1 5 10 15  
 Gln Pro Thr Thr Gly Cys Ser Ala Val Ala Leu Gly His Arg Gly Ala  
 20 25 30  
 Ser Ser Pro Xaa Ser Lys Leu Ser Arg Glu Xaa Gly Lys Trp Gly Arg  
 35 40 45  
 Arg Val Xaa Xaa Xaa Val Glu Thr  
 50 55  
  
 <210> 7726  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE

## 6876

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7728

Asn	Ile	Cys	Leu	Phe	Ile	Phe	Arg	Asp	Val	Pro	Xaa	Leu	Lys	Arg	Arg
1				5					10					15	

Leu	Val	Phe	Ser	Ser	Xaa	Leu	Xaa	Cys	Ile	Leu	Phe	Ile	Tyr	Glu	Val
			20					25					30		

Ser	Ser	Glu	Asn	Cys	Xaa	Trp	Tyr	Phe	Ser	Ala	Phe	Val	Ser	Gln	Xaa
		35					40					45			

Glu	Xaa	Ile
		50

&lt;210&gt; 7729

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

6877

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7729

Xaa	Xaa	Leu	Gly	Lys	Thr	Pro	His	Tyr	Arg	Leu	Lys	Leu	Val	Arg	Leu
1				5					10					15	

Gln	Val	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Arg	Pro	Xaa
			20					25					30		

Val	Arg	Cys	Ala	Ser	Asp	Ser	Glu	Arg	Xaa	Pro	Xaa	Pro	Gly	Gln	Xaa
		35					40					45			

Gly	Pro	Gly	Ala
			50

<210> 7730

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

6878

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7730

Ile Xaa Tyr Ser Gln Arg Val Thr Gln Gln Leu Cys Ser Pro Ala Phe

1

5

10

15

Leu Gln Xaa Xaa Tyr Xaa His Val Pro

20

25

&lt;210&gt; 7731

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7731

## 6879

Asn Phe Leu Met Glu Lys Asp Asn Val Tyr Phe Gly Arg Val Xaa Xaa  
 1 5 10 15

Lys Arg Ile Phe Xaa Ile Ser Tyr Ile Ser Lys Phe Leu Xaa  
 20 25 30

<210> 7732

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7732

Ser Val Asn Val Ile Phe Asn Asn Thr Tyr Ile Tyr Ser Gly Met Ser  
 1 5 10 15

Gln Thr Ser Ala Thr Phe Gln Leu Xaa Ser Lys Gln Ala Pro  
 20 25 30

<210> 7733

<211> 67

<212> PRT

<213> Homo sapiens

<400> 7733

Arg Lys Thr Asn Gly Val Thr Asp Gln Ser Ile Gln Ser Asn Asn Ser  
 1 5 10 15

Ala Ser Lys Lys Leu Lys Gly Met Val Leu Ile Leu Gln Pro Phe Gln  
 20 25 30

Gln Asn Leu Lys Val Glu Glu Gly Leu Ser Glu Lys Asp Leu Cys Val  
 35 40 45

Trp Leu Leu Phe Asn Ala Lys Asn Pro Ser Glu Ile Pro Arg Thr Pro  
 50 55 60

Thr Lys Leu  
 65

<210> 7734

## 6880

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7734

Arg	Tyr	Lys	Ser	Cys	Leu	Asn	Arg	Xaa	Arg	Arg	Gly	Ser	Tyr	Arg	Gly
1				5				10						15	

Xaa Xaa

&lt;210&gt; 7735

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7735

Gly	Phe	Leu	Val	Leu	Met	Leu	Val	Lys	Val	Cys	Ala	Gly	Ile	Ser	Lys
1				5				10						15	

Ser	Leu	Lys	Lys	Val	Phe	Thr	Gly	His	Trp	Ala	Val	Val	Arg	Glu	Gly
			20					25					30		

Leu	Thr	Asn	Pro	Trp	Ile	Pro	Asp	Asn	Trp	Ser	Trp	Gly	Gly	Val	Ala
		35					40					45			

Ser	Glu	His	Cys	Xaa	Cys	Tyr	Arg	Val	Leu	His
	50						55			



6881

<210> 7736  
<211> 27  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7736  
Asn Xaa Asp Val Thr Val Leu Ala Ile Xaa Leu Gly Asn Val Tyr Xaa  
1 5 10 15

Phe Leu Xaa Tyr Leu Lys Cys Ile Ile Thr Lys  
20 25

<210> 7737  
<211> 145  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (136)  
<223> Xaa equals any of the naturally occurring L-amino acids

6882

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (140)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (143)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (144)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7737

Thr	Gln	Ser	Cys	Gln	Ser	Leu	Tyr	Pro	Phe	Ser	Cys	Pro	Gly	Ala	Gln
1				5					10					15	

Arg	Glu	Thr	His	Leu	Pro	Leu	Ala	Leu	Pro	Glu	Trp	Leu	Leu	Arg	Thr
			20					25					30		

Pro	Cys	Pro	Ala	Gln	Leu	Ser	Leu	Gly	Gly	Asp	Glu	Glu	Arg	Gln	Trp
	35						40					45			

Trp	Ser	Trp	Gln	Gln	Asn	Ala	Gln	Pro	Leu	Val	Ala	Gly	Leu	Asp	Lys
	50					55					60				

Gly	Lys	Leu	Asp	Gln	Glu	Ala	Xaa	Ile	Arg	Asp	Leu	Pro	Leu	Pro	Arg
65					70					75					80

Lys	Ala	Arg	Leu	Gln	Leu	Gln	Ala	Gly	Ser	His	Pro	Leu	Leu	Leu	Ala
				85					90					95	

Leu	Gly	Lys	Gly	Thr	Gln	Arg	Leu	Ala	Cys	Pro	Cys	Leu	Gly	Gln	Cys
			100					105					110		

Glu	Val	Leu	Pro	Tyr	Pro	His	His	Gly	Val	His	Gly	Leu	Phe	Ile	Leu
		115					120					125			

Ala	Gln	Leu	Thr	Leu	Tyr	Thr	Xaa	Thr	Val	Leu	Xaa	Ala	His	Xaa	Xaa
		130					135				140				

Leu  
145

&lt;210&gt; 7738

&lt;211&gt; 22

&lt;212&gt; PRT

## 6883

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7738

Glu	Arg	Ala	Ser	Leu	Val	Pro	Thr	Gly	Val	Ala	Xaa	Val	Ser	Ser	Thr
1				5				10					15		

Pro	Asp	Xaa	Xaa	Pro	Pro
			20		

<210> 7739

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7739

Gly	Trp	Xaa	Lys	Cys	Thr	Thr	Leu	Arg	Pro	Ala	Xaa	Gly	Ala	Val	Xaa
1				5				10					15		

Glu Gly Leu Asp Arg

6884

20

&lt;210&gt; 7740

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7740

Asn Glu Leu Thr Phe Ile Lys Arg Tyr Arg Thr Cys Xaa Trp Ala Xaa

1

5

10

15

Trp Xaa Gly Xaa

20

&lt;210&gt; 7741

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

6885

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7741

Cys	Xaa	Tyr	Phe	Gln	Gly	Val	Leu	Gly	Asn	Asn	Ile	Leu	Gln	Thr	His
1				5				10					15		

Leu	Val	Leu	Phe	Arg	Ser	Ile	Ser	Trp	Lys	Arg	Pro	Ala	Ser	Cys	Cys
			20					25					30		

Leu	Ser	Met	Asp	Leu	Asn	Phe	Tyr	Phe	Tyr	Ser	Leu	Met	Lys	Thr	Gln
		35					40					45			

Pro	Phe	Ser	Ile	Trp	Gly	Gln	Ser	Val	Ser	Leu	Val	Ser	Val	Cys	His
	50					55					60				

Phe	Met	Ser	Tyr	Ala	His	Tyr	Gln	Gln	Leu	Thr	Gln	Arg	Thr	Asp	Arg
65					70					75					80

Ile	Leu	Ala	Val	Ser	Ala	Leu	Xaa	Lys	Glu	Gln	Phe	Phe	Met	Ala	Ile
				85					90					95	

Arg Ile

&lt;210&gt; 7742

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7742

Gly	Trp	Trp	Leu	His	Ser	Arg	Arg	Pro	Leu	Thr	Ala	Ser	Pro	Thr	Arg
1				5					10					15	

Ser	Arg	Pro	Leu	Ala	Arg	Pro	Ser	Arg	Phe	Pro	His	Arg	Leu	Cys	Ser
			20					25					30		

Pro	Pro	Pro	Gln	Thr	Pro	Ser	Pro	Leu	Asp	Ser	His	Ser	Leu	Phe	His
			35					40				45			

Gly	Ala	Pro	Arg	Phe	Arg	Glu	Pro	Pro	Arg	Gly	Thr	Trp	Ser	Pro	His
	50					55					60				

Pro	Val	Thr	Thr	Ser	Cys	Leu	Arg	Gly	His	Leu	Ser	Pro	Ser	His	Leu
65					70					75					80

Ala Pro Gln

6886

&lt;210&gt; 7743

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7743

Gly Arg Val Gly Trp Thr Leu Ser Leu Leu Cys Leu Ser Ala Leu Asn  
1 5 10 15

Lys Asp Ser Pro Ala Leu Lys  
20

&lt;210&gt; 7744

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7744

Xaa Lys Pro Gly Gly Ser Asp His His Phe Xaa Asn Asn Ser Arg Leu  
1 5 10 15

Pro Pro Gln Pro Gln Gly Phe Gly Glu Met Trp Val Cys Trp Ser Leu  
20 25 30

6887

Cys Arg Leu Xaa Pro Pro Xaa Leu Asp Leu Ala Xaa Pro Gln Ser  
           35                          40                          45

&lt;210&gt; 7745

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7745

Tyr Xaa His Cys Phe Lys Ile Val Ile Phe Xaa Thr Gly Glu Lys Xaa  
       1                          5                          10                          15

&lt;210&gt; 7746

&lt;211&gt; 97

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7746

Cys Gln Leu Leu Thr Val Ile Val Arg Lys Gly Thr Asp Thr Ile Phe  
       1                          5                          10                          15

Ala Leu Ile Gly Leu Ile Asp Ser Gly Asp Ala Thr Gly Arg Ala Trp  
           20                          25                          30

Arg Gly Glu Asp Gly Met Cys Phe Leu Pro Thr Ile Ser Ile Arg Thr  
           35                          40                          45

Pro Ile Arg Phe Cys Val Gln Leu Thr Phe Leu Asn Leu Ser Lys Tyr

6888

50                      55                      60  
 Tyr Ala Met Glu Ala Lys Ala Pro Leu Pro Lys Gln Ile Ile Ser Phe  
 65                      70                      75                      80  
 His Leu Cys Arg Asn Ser Gly Leu Leu Pro Phe Ile Val Lys Phe Gly  
                     85                      90                      95  
 Arg

&lt;210&gt; 7747

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7747

Met Xaa Arg Thr Val Arg Ser Ser Val Ala Glu Gly Gly Gly Xaa Ser  
 1                      5                      10                      15

Xaa Pro Phe

&lt;210&gt; 7748

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



6889

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7748

Gln	Xaa	Ile	Phe	Xaa	Pro	Ser	Gly	Leu	Thr	Ser	Xaa	Val	Ser	Val	Cys
1				5					10					15	

Gly	Arg	Arg	Val	Pro	Leu	Thr	Ile	Tyr	Xaa	Ala	Leu	Asp	Cys	Ser	Arg
			20					25					30		

Arg	Leu	Leu	Xaa	Ile	Val	Asp	Xaa	Glu	Glu	Arg	Gln	Lys	Glu	Xaa	Val
			35					40					45		

&lt;210&gt; 7749

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6890

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7749

Cys	Leu	Leu	Phe	Arg	Ser	His	Phe	Asn	Glu	Arg	Ser	Phe	Val	Phe	Xaa
1				5					10					15	

Ile	Pro	Phe	Pro	Arg	Asn	Phe	Ser	Thr	Tyr	Lys	Asn	Asn	His	Phe	Lys
			20					25					30		

Leu	Gln	Lys	Pro	Arg	Thr	Tyr	Lys	Pro	Thr	Pro	Gln	Thr	Thr	Phe	Leu
		35					40					45			

Ile	Met	Thr	Ala	Phe	Arg	Asn	Val	Gly	Lys	Leu
	50					55				

&lt;210&gt; 7750

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7750

Leu	Ser	Ser	Met	Glu	Glu	Gln	Leu	Lys	Thr	Ile	Xaa	Trp	Leu	Leu	Leu
1				5				10					15		

Pro Xaa Gln

&lt;210&gt; 7751

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 6891

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7751

Asp	Asp	Ala	Trp	Asp	Phe	Leu	Xaa	Pro	Gln	Xaa	Ser	Lys	Asp	Phe	Xaa
1						5			10						15

Leu Leu

&lt;210&gt; 7752

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6892

&lt;400&gt; 7752

Xaa Xaa Xaa Lys Gln Lys Gly Gly Phe Leu Phe Arg Ile Ile Ile Phe  
1 5 10 15

Xaa Leu Arg Ser Gly Asn Gly Xaa Glu His Ser Met Phe Val  
20 25 30

&lt;210&gt; 7753

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7753

Ala Ala Xaa Gln Val Gln Thr Asp Arg Lys Met Thr Met Thr Xaa Arg  
1 5 10 15

Xaa Gln Xaa Cys Xaa  
20

&lt;210&gt; 7754

&lt;211&gt; 69

6893

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7754

Pro	Ile	Ile	Cys	Leu	Gly	Phe	Phe	Ser	Pro	Val	Pro	Asp	Ser	Thr	Ser
1				5					10					15	

Ser	Ala	Thr	Asn	Val	Ser	Met	Val	Val	Ser	Ala	Gly	Pro	Trp	Ser	Ser
			20					25					30		

Glu	Lys	Ala	Glu	Met	Asn	Ile	Leu	Glu	Ile	Asn	Glu	Lys	Leu	Arg	Pro
		35					40					45			

Gln	Leu	Ala	Glu	Asn	Lys	Gln	Xaa	Phe	Xaa	Asn	Leu	Lys	Glu	Arg	Xaa
	50						55				60				

Phe	Leu	Thr	Xaa	Leu
	65			

&lt;210&gt; 7755

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6894

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7755

Ser	Gly	Leu	Ile	Ser	Xaa	Thr	Lys	Leu	Arg	Xaa	Asp	Thr	Met	Ser	Leu
1				5				10					15		

Xaa

&lt;210&gt; 7756

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7756

His	His	Leu	Pro	Pro	Phe	Asp	Phe	Leu	Met	Leu	Tyr	Asn	Phe	Arg	Leu
1				5				10					15		

Lys	Gly	Gly	Asp	Xaa	Val	Met	Xaa	Ser	Pro	Pro	Asn	Xaa	Ala	Ser	Gly
			20					25					30		

6895

Arg Ser Xaa

35

&lt;210&gt; 7757

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7757

Leu Ser Tyr Val Val Glu Thr Lys Lys Phe Thr Phe Ser Cys Asp His

1

5

10

15

Ser Arg Pro His Xaa Ile Arg Val Asn Leu Leu Ser Arg Leu Thr Lys

20

25

30

His Tyr Xaa Leu Met Lys Ile Leu His Glu Asp Tyr Lys Ser Ile Phe

35

40

45

Cys Ser Tyr Ser Ala His Leu Leu Xaa Glu Asn Leu Phe Xaa Ser Xaa

50

55

60

Ile

65

6896

&lt;210&gt; 7758

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7758

Cys Gln Ser Trp Leu Pro Asp Gln Gly Val Ala Val Gly Met Cys Arg  
 1 5 10 15

Gly Ser His Thr Cys Lys Lys His Leu Gly Ser Phe Leu Thr Trp Leu  
 20 25 30

Gly Cys Ser Gly Gln Val Met Ser Pro Leu Ala Leu Gly Ser Leu Cys  
 35 40 45

&lt;210&gt; 7759

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7759

Tyr Glu Ala Gln Arg Ile Gly Pro Gly Asn Cys Leu Thr Lys Thr Gln  
 1 5 10 15

Gly Cys Ala Asn Ser Arg Asp Asp Val Tyr Ser Leu Thr Pro Ala Arg  
 20 25 30

Cys Arg Lys Val Xaa Arg Arg Val Gln Thr Ser Val Xaa Gly Leu Asn  
 35 40 45



6897

&lt;210&gt; 7760

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7760

Val	Xaa	Ile	Ala	Ser	Gly	Arg	Ser	Arg	Gly	Ser	Xaa	Leu	Thr	Tyr	Xaa
1				5					10					15	

Val	His	Ala	Thr	Xaa	Ile
					20

&lt;210&gt; 7761

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7761

6898

Ser Ile Phe Lys Leu Met Cys Phe Lys Ile Tyr Phe Lys Val Leu Gln  
1 5 10 15

Pro Xaa His Xaa His Ala Leu Thr Arg  
20 25

&lt;210&gt; 7762

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7762

Arg Asn Lys Cys Phe Leu Ile Gln Thr Ala Ser Gln Xaa Glu His Leu  
1 5 10 15

Xaa Xaa Asp Xaa Ile Ile  
20

&lt;210&gt; 7763

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6899

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7763

Asn	Phe	Pro	Arg	Ile	Ser	Thr	Ile	Ser	Lys	Met	Lys	Lys	Val	Leu	Leu
1				5					10					15	

Leu	Ile	Thr	Ala	Ile	Leu	Ala	Val	Ala	Val	Gly	Phe	Pro	Val	Ser	Gln
			20					25					30		

Asp	Gln	Xaa	Arg	Glu	Lys	Arg	Ser	Ile	Xaa	Asp	Ser	Xaa	Glu	Leu	Xaa
		35					40					45			

Ser	Xaa	Phe	Phe	Val	Phe
	50				

&lt;210&gt; 7764

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6900

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7764  
Glu Pro Xaa Gly Pro Leu Xaa Ile Pro Xaa Xaa Tyr Gly Lys Leu Val  
1 5 10 15  
Arg Leu Gln Val Pro Val Arg Asn Tyr Arg Val Asp Pro Xaa Val Arg  
20 25 30  
Ala Asp Xaa Ala Leu Xaa Ser Ser Glu Ala Leu Gly Ala Leu Ser Phe  
35 40 45

<210> 7765  
<211> 35  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7765

## 6901

Arg Ser Ser Ser Ile Tyr Thr Leu Lys Arg Val Pro Ser Leu Val Gln  
1 5 10 15  
Leu Phe Ile His Pro Phe Phe Phe Tyr Trp Phe Ser Ser Gly Gly Lys  
20 25 30  
Trp Xaa Phe  
35

<210> 7766

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids





## 6902

<220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7766  
 Xaa Pro Xaa Ala Val Tyr Xaa Xaa Ser Gly Ser Ser Xaa His Xaa Leu  
 1 5 10 15  
 Phe Xaa Thr Thr Asp Tyr Val Thr Val Thr Glu Asp Lys Met Asp Leu  
 20 25 30  
 Xaa Ile Ile Ser His Xaa Val Asn Val Xaa Pro Phe  
 35 40

<210> 7767  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7767  
 Lys Asn Asp His Glu Ala Lys Thr Thr Ile Phe Phe Cys Leu Xaa Ile  
 1 5 10 15  
 Gly Lys Glu Phe Xaa Gly Pro Ser Cys His His Asn Ala Met Lys Gln  
 20 25 30  
 Lys Ile Ser Lys Trp Ile Ala Ile Asn Gln Phe Leu Lys Ile Arg Gln  
 35 40 45



## 6903

Lys Lys Thr Leu Ser Leu  
50

<210> 7768

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7768

Val	Asp	Ala	Leu	Val	Xaa	Pro	Gln	Asp	His	Ala	Val	Xaa	Glu	Xaa	Ala
1				5					10					15	

Leu Arg Ala

<210> 7769

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7769

## 6904

Asp Leu Ala Leu Arg Leu Leu Ser Thr Pro Pro Val Leu Pro Glu Lys  
 1 5 10 15

Gly Gln Met Phe Pro Glu Gln Lys Thr Ser Pro Leu Leu Cys Leu Thr  
 20 25 30

Trp Ser Pro Ile His Ala Leu Phe Leu Xaa Ser Val Tyr Ser Leu Ser  
 35 40 45

Leu Gly Leu Glu Glu Pro Xaa Met Trp Pro Leu Ala Lys Leu Asp Asn  
 50 55 60

Val Gln Thr His Ser  
 65

<210> 7770

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7770

Met Leu Val Thr Leu Ile His Cys Ile Met Val Ile Phe His Leu Ile  
 1 5 10 15

## 6905

Tyr Leu Glu Xaa Val Val Xaa Arg Ile Gly Val His Xaa His Gly Thr  
                   20                  25                  30

Cys Ile Glu Xaa Xaa  
                   35

<210> 7771

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7771

His His Arg Ile Xaa Glu Leu Phe Lys Met Lys Phe Asn Pro Phe Xaa  
       1                  5                  10                  15

Thr Phe Arg Pro Glu Ala Arg Xaa  
                   20

<210> 7772

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6906

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7772

Leu Phe Val Xaa Xaa Gly Trp Val Ser Pro Arg Arg Leu Xaa Trp Gly  
1 5 10 15

Gly Ala Ala Cys Phe Trp Ala Xaa Xaa Gly Ala Pro Ser Pro Gly Ser  
20 25 30

Lys Pro Ser Phe Xaa Lys Xaa Pro Gly Arg Asp Leu Leu Gln Arg Ala  
35 40 45

Xaa Gly Lys Xaa Glu Arg Glu Lys Ala Pro  
50 55

6907

&lt;210&gt; 7773

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7773

Val	Ser	Asn	Trp	Xaa	Leu	Leu	Thr	Leu	Xaa	Val	Pro	Asp	Cys	Cys	Ser
1				5					10					15	

Phe	Thr	Asp	Leu	Ile	Gln	Val	Thr	Arg	Ser	Phe	Ile	Gly	Leu	Asn	Gln
			20					25					30		

Xaa	Pro	Cys	Ser	Gln	Val	Thr	Asp	Leu	Pro	Ile	Val	Pro	Xaa	Ile	Leu
		35						40					45		

Phe	Asn	Leu	Asn	Glu	Arg	Glu	Phe	Ala	Leu	Asn	Gly	Lys	Val	Pro	Xaa
	50						55				60				

Phe  
65

&lt;210&gt; 7774

&lt;211&gt; 57

&lt;212&gt; PRT

6908

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7774

Gln	Cys	Asn	Leu	Gln	Phe	Pro	Xaa	Lys	Xaa	Lys	Lys	Val	Asn	Leu	Ala
1				5				10						15	

Ala	Ile	Glu	Tyr	Thr	Met	Cys	Ile	Tyr	Asn	Ser	Tyr	Phe	Ile	Tyr	Xaa
		20						25					30		

Ser	Ile	Asn	Ile	Phe	Lys	Leu	Asn	Val	Leu	His	Ser	Gln	Val	Val	Gly
		35					40					45			

Ser	Leu	Val	Ile	Lys	Val	Cys	Val	Ile
	50					55		

&lt;210&gt; 7775

&lt;211&gt; 135

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7775

Val	Met	Ile	Thr	Glu	Thr	Ala	Ala	Glu	Pro	Thr	Val	Pro	Ala	Val	Pro
1				5				10					15		

Ala	Ala	Glu	Glu	Ala	Thr	Glu	Ala	Arg	Gly	Arg	Glu	Glu	Pro	Ala	Trp
		20						25					30		

Pro	Trp	Lys	Asp	Ala	Pro	Ile	Arg	Thr	Leu	Val	Gln	Arg	Ile	His	Gln
		35					40					45			

Leu	Gln	Ala	Glu	Arg	Ala	Gln	Gly	Phe	Arg	Arg	Leu	Glu	Glu	Gly	His
	50					55					60				

Arg	Gln	Tyr	Leu	Arg	Ser	Gly	Pro	Asp	Tyr	Asp	Phe	Ala	Arg	Tyr	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

## 6909

65		70		75		80
Ser Thr Val His Gly Val Thr Gln Ala Phe Ala Ala Ala Ser Arg Glu						
	85		90		95	
Val Leu Ala Val Glu Ala Glu Leu Gly Gly Pro Arg Arg Gln Pro Leu						
	100		105		110	
Leu Ala Gly His Val Arg Ser Cys Arg Ile Trp Ser Arg Arg Gly Trp						
	115		120		125	
Ala Arg Trp Pro Cys Cys Ser						
	130		135			

&lt;210&gt; 7776

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7776

Leu Asp Phe Arg Arg Leu Ile Pro Gly Xaa Leu Ser Gly Gly Asp Arg
1 5 10 15

Gly Gly Glu Xaa Xaa Pro Gly Ala Asp Pro Glu Cys
20 25

&lt;210&gt; 7777

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

6910

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7777

Xaa Thr Arg Xaa Ser Leu Val Ser Phe Lys Lys Tyr His Pro Thr Lys  
1 5 10 15

**Xaa**

<210> 7778

<211> 27

<212> PRT

<213> Homo sapiens

**<220>**

**<221> SITE**

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7778

Tyr Arg Val Pro Asp Met Lys Ala Phe Ala Leu Leu Ile Arg Xaa Gly  
1 5 10 15

Xaa Xaa Ser Arg Thr Gly Ile His Leu Arg Val  
20 25



## 6911

&lt;210&gt; 7779

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7779

Gly Arg Val Gly Pro Cys Arg Asp Lys Ala Ala Gly Pro Glu Leu Asp  
1 5 10 15

Ser Val Ser Ser Trp Gly Arg Thr Gly Thr Gln Gly Val Met Pro His  
20 25 30

Pro Pro Ser Arg Ala Gly Ala Ser Thr Ser Gln Phe Val Gln Ile His  
35 40 45

Pro Pro Phe Lys Lys  
50

&lt;210&gt; 7780

&lt;211&gt; 69

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7780

Glu Arg Leu Glu Ser Asn Gly Trp Lys Gly Gly Phe Ser Val Met Asp  
1 5 10 15

Thr Phe Phe Phe Ser Glu Ala Asn Pro Arg His Cys Glu Arg Asn Gly  
20 25 30

Phe Ser Tyr Glu Asp Phe Lys Phe Ser Gln Leu Phe Ser Gln Val Leu  
35 40 45

Gly Met Ser Phe Ala Leu Thr Leu Asn Cys Gln Ile Asp Lys Thr Ser  
50 55 60

Gln Thr Ile Gly Leu  
65

&lt;210&gt; 7781

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 6912

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7781

Pro	Xaa	Arg	Pro	Asp	Gly	Asp	Gly	Gly	Gly	Asp	His	Xaa	Xaa	Ala	Glu
1				5				10						15	

Pro Leu Gln

<210> 7782

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6913

&lt;400&gt; 7782

Pro Trp Ala Ser Pro Leu Pro Pro His Pro Leu Thr Pro Gly Lys Pro  
1 5 10 15  
Thr Ala Pro Pro Val Pro Gln Leu Thr Asp Pro Arg Gln Ala His Cys  
20 25 30  
Pro Xaa Ile Pro Ser Pro Arg Val Ser Pro Leu Pro Leu Pro Pro Xaa  
35 40 45  
Thr Asp Pro Gly Gln Ala Glu Tyr Ser Xaa Trp Thr Xaa Gly Lys Asp  
50 55 60  
Xaa Gly Thr Thr Trp Thr Pro  
65 70

&lt;210&gt; 7783

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6914

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7783

Ala Xaa Thr His Xaa Cys Thr Gly Pro Ala Phe Pro Gly Arg Pro Thr

1

5

10

15

Arg Pro Gln Pro Pro Phe His Pro Pro Asn Ile Ala Leu Arg Leu Arg

20

25

30

Xaa Thr Xaa Xaa Xaa Asn Gln Thr Phe Val Gln Gly Val Asn Thr Asp

35

40

45

Ser Cys Leu Leu Tyr Cys

50

&lt;210&gt; 7784

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7784

Asp Leu Tyr Pro Trp Pro Phe Phe Phe Phe Phe Phe Pro Gly Xaa Leu

1

5

10

15

Xaa His Cys Ser Phe Xaa Leu Tyr Phe Leu Pro Tyr Xaa Asn Gln Arg

20

25

30

## 6915

&lt;210&gt; 7785

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7785

Gly Pro Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp  
 1 5 10 15

Pro Arg Val Arg Lys Lys Gly Tyr Cys Ile Phe Lys Asn Arg Lys Leu  
 20 25 30

Asn Pro Ser Cys Glu Lys Pro Val Val Leu Cys Ala Trp Cys Cys Ala  
 35 40 45

Glu Pro Gly Ala Val Val Leu Cys Trp Asp Phe Leu Asp Ser Trp Ala  
 50 55 60

Gly His Ile Leu Gln Glu Leu Ser Arg Pro Val  
 65 70 75

&lt;210&gt; 7786

&lt;211&gt; 89

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7786

Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Val  
 1 5 10 15

Leu Cys Leu Glu Ala Asn Leu Gly Pro Ser Ser Val Glu Pro Phe Ser  
 20 25 30

Ala Val Tyr Pro Ser Lys Cys Leu Ala Phe Gln Ile Ile Val Ser Leu  
 35 40 45

Met Cys Val Arg Arg Gly Gly Ser Gly Trp Arg Arg Xaa Pro Asn Thr  
 50 55 60

Ser Leu Pro Cys Gln His Leu Pro Pro Arg Leu Gly Lys Asn Gln Asn

## 6916

65                                      70                                      75                                      80

Asn Lys Asp Asn Ala Ile Ser Cys Ser  
85

<210> 7787

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7787

Ile Leu Cys Phe Asn Ser Trp Asn Pro Ser Val Cys Leu Gly Gly Ser  
1                                      5                                      10                                      15

Leu Leu Ile Lys Tyr Ser Arg Pro Thr Thr Ile Ala Ala Phe Leu Ile  
20                                      25                                      30

Pro Pro Leu Leu Lys Leu Leu Leu Arg Leu Thr Xaa Val Ser Ser Leu  
35                                      40                                      45

Pro Leu Ile Glu Thr Leu Glu Phe Ser Gly Pro Leu Xaa Leu Pro Ile  
50                                      55                                      60

Ser Cys Ser Lys Ser Cys Asn Tyr Trp Asp Gly Lys Val Thr Asn Ser  
65                                      70                                      75                                      80

Asp His Xaa

<210> 7788

<211> 62

<212> PRT

6917

&lt;213&gt; Homo sapiens

&lt;400&gt; 7788

Lys Ile Phe Glu Lys Ile Pro Gly Ile Gln Arg Gln Pro Lys Ala Asn  
 1 5 10 15

Leu Gly Ile Pro Ser Tyr Phe Thr Val Gln Lys Ile Ser Pro Ile Ser  
 20 25 30

Lys Asp Asn Thr Gly Asn Asp Lys Ile Tyr Val Phe Glu Arg Ile Val  
 35 40 45

Met Phe Leu Ala Ser Thr Leu Ile Lys Gly Arg Cys Ser Leu  
 50 55 60

&lt;210&gt; 7789

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7789

His Trp Ser Leu Cys Cys Ala Ser Gly Thr Ala Gln Leu Xaa Gly Xaa  
 1 5 10 15

Ala Gln Ala Thr Lys Xaa Arg Lys Gln Leu Arg Phe Xaa Pro Ile Met  
 20 25 30

Asn Gln

## 6919

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7791

Ser	Ser	Leu	Gly	Ser	Arg	Gly	Ala	Glu	Arg	Ser	Ile	Asp	Asp	Ile	Gly
1				5					10					15	

His	Leu	Ile	His	Glu	Xaa	Leu	Gln	Asn	Leu	Leu	Ser	Leu	Gln	Pro	Xaa
			20					25						30	

Ser	Asn	Xaa	Ile	Val	Leu	Lys	Phe
		35				40	

&lt;210&gt; 7792

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7792

Gly	Lys	Thr	Gln	Xaa	Val	Ser	Asp	Ser	Leu	Ile	Phe	Ile	Xaa	Val	Xaa
1				5					10					15	

Xaa	Lys	Trp	Val	Phe	Leu
			20		



6920

<210> 7793  
<211> 69  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7793  
Lys Thr Ser Xaa Xaa Xaa Xaa Xaa Leu Ser Leu Lys Leu Val Arg Leu  
1 5 10 15  
Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg  
20 25 30  
Val Arg Cys Ser Asn Arg His Ile Lys Glu Val Leu Trp Met Glu Ala  
35 40 45  
Gln Arg Lys Lys Arg Leu Ile Val Ser Lys Asn Leu Glu Gly Met Lys  
50 55 60  
Met Lys Ile Glu Ile  
65

## 6921

&lt;210&gt; 7794

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7794

Ser	Ile	Cys	Leu	Trp	Ser	Lys	Gln	Leu	Ala	Ser	Phe	Met	Cys	Gly	Leu
1				5					10					15	

Leu	Thr	Lys	Leu	Pro	Met	Leu	Val	Ser	Phe	Leu	His	Tyr	Asp	Val	Tyr
			20					25					30		

Ser	Leu	Leu	Lys	Leu	Leu	Leu	Leu	Ser	Val	Leu	Leu	Ser	His	Cys	Ser
			35				40					45			

Ala	Cys	Ser	Ser	Ser	Ala	Xaa	Xaa	Ser	Asp	Xaa	Xaa	Pro
						50		55				60

&lt;210&gt; 7795

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6922

<221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7795  
 Gly Gly Gly Lys Lys Ala Leu Gly Val Lys Arg Xaa Leu Gly Xaa Arg  
   1                  5                  10                  15  
 Val Asn Pro Gly Gly Ser Pro Gly Xaa Asn Phe Ser Pro Arg Gly Gly  
                   20                  25                  30  
 Ser Gly Lys Pro Pro Asn Gly Arg Xaa Pro Xaa Trp Gly Ala Leu Thr  
           35                  40                  45  
 Leu Thr Gly Asn Gly Gly Arg Lys Trp Lys Ser Phe Xaa Arg  
       50                  55                  60  
  
 <210> 7796  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE

## 6923

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7796

Pro	Xaa	Xaa	Arg	Thr	Ile	Pro	Ser	Ile	Pro	Val	Val	Pro	Glu	Leu	Pro
1				5					10					15	

Cys	Pro	Lys	Ala	Cys	Ala	Arg	Phe	Thr	Pro	Xaa	Xaa	Ala	Xaa	Leu	Xaa
			20					25					30		

Pro	Glu	Asn	Ser	Glu	Asp	Met	Asn	Ser	Arg	Gln	Ala	Trp	Xaa	Leu	Leu
		35					40					45			

Leu	Ser	Gln	Gly	Arg	Gly
					50

&lt;210&gt; 7797

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

## 6924

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7797

Xaa	Phe	Pro	Gly	Arg	Pro	Ile	Xaa	Leu	Pro	Pro	Leu	Ser	Cys	Pro	Glu
1				5				10						15	

Glu	Ala	Thr	Pro	Cys	Leu	Xaa	Arg	Gly	Pro	Gly	Asn	Xaa	Cys	Gly	Pro
			20					25					30		

Glu	Glu	Trp	Arg	Gly	Cys	Gly	Met	Asn	Thr	Met	Thr	Ala	Xaa	Ile	Arg
		35					40						45		

Leu	Xaa	Pro
		50

<210> 7798

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6925

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

6926

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (85)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7798

Leu Ala Pro Trp Asp Xaa Trp Val Gly Gln Val Ile Leu Leu Xaa Ser  
 1 5 10 15

Gly Ser Arg Xaa Xaa Xaa Gly Asp Xaa Asp Asp Arg Asp Lys Ile Thr  
 20 25 30

Xaa Glu Lys Ile Gln Glu Leu Xaa Gly Glu Gly Xaa Gly Leu Thr Lys  
 35 40 45

Leu Ser Leu Pro Xaa Lys Gly Glu Leu Glu Ala Thr Asp Val Gly Thr  
 50 55 60

Ala Xaa Cys Phe Pro Asp Asp Glu Thr Gly Ala Val Met Leu Arg Ala  
 65 70 75 80

Pro Ser Ser Gly Xaa Cys Thr Xaa  
 85

&lt;210&gt; 7799

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6927

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7799

Ala Ile Ser Arg Ile Ala Ser Gly Arg Pro Xaa Gly Xaa Xaa Phe Xaa

1

5

10

15

Gly Xaa

&lt;210&gt; 7800

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE



## 6928

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7800

Lys Phe Thr Lys Cys Leu Val Gln Leu Asn Ile Leu Leu Xaa Lys Xaa  
1 5 10 15

Cys Val Ala Lys Ile Phe Tyr Xaa His Tyr Leu Asn Asn Leu Xaa Gly  
20 25 30

Lys Asn Val Trp Ser Ser Xaa Xaa Pro Leu Leu Phe Leu Ser Ser Tyr  
35 40 45

Phe Gln Xaa Val Lys  
50

&lt;210&gt; 7801

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

## 6929

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7801

Trp	Ile	Glu	Leu	Ser	Gly	Trp	Xaa	Xaa	Ala	Xaa	His	Gly	Xaa	Xaa
1				5					10					15

<210> 7802

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7802

Gly	Lys	Pro	Pro	Ile	Phe	Gly	Leu	Lys	Xaa	Pro	His	Phe	Thr	Leu	Ile
1				5					10						15

Ser	Val	Val	Lys	Xaa	Pro	Gly	Ala	His	Arg	His	Xaa	Xaa	Arg
			20					25					30

<210> 7803

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6930

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7803

Xaa	Trp	Val	Ser	Xaa	Ser	Arg	Xaa	Arg	Glu	Glu	Asp	Gly	Leu	His	Thr
1				5					10					15	

Xaa	Cys	Pro	Pro	Ala	Pro	Ser	Pro	Ala	Ser	Leu	Xaa	Pro	Xaa	Xaa	Xaa
			20					25					30		

Arg	Trp	Pro	Lys	Glu	Cys	Lys	Tyr	Leu	Met	Lys	Tyr	Val
		35					40				45	

&lt;210&gt; 7804

&lt;211&gt; 30

&lt;212&gt; PRT

## 6931

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7804

Asn	Val	Asn	Lys	Trp	Arg	Glu	Lys	Gly	Leu	Xaa	Asp	Lys	Pro	Asp	Thr
1				5					10					15	

Trp	Xaa	Xaa	Gly	Ile	Thr	Pro	Gly	Gly	Thr	Arg	Gly	Lys	Met
			20					25					30

<210> 7805

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7805

Val	Ala	Ile	Ala	Cys	Val	Val	Gly	Val	Xaa	Xaa	Phe	Cys	Leu	Xaa	Lys
1				5					10					15	

6932

<210> 7806  
<211> 84  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 6933

&lt;222&gt; (77)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7806

Ala	Xaa	Ile	Ala	Pro	Pro	Arg	Gly	Ala	Pro	Pro	Leu	Ala	Xaa	Gly	Ala
1				5					10					15	

Arg	Val	Ser	Val	Thr	Leu	Cys	Thr	Pro	Leu	Thr	Val	Val	Arg	Xaa	Lys
			20					25					30		

Val	Pro	Pro	Gly	Arg	Pro	Xaa	Ala	Xaa	Ala	Xaa	His	Arg	Ala	Ser	Val
			35				40					45			

Leu	Gln	Cys	Asn	Asn	Trp	Thr	Arg	Pro	Cys	Arg	Ser	Ser	Arg	Phe	Leu
	50					55					60				

Xaa	Leu	Ala	Pro	Arg	Leu	Ser	Xaa	Phe	Ala	His	Lys	Xaa	Glu	Glu	Leu
65					70					75					80

Ala Xaa Gly Gly

&lt;210&gt; 7807

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6934

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7807

Gly	Gly	Xaa	Ser	Leu	Gly	Ser	Xaa	Xaa	Ser	Thr	Ala	Xaa	Gly	Pro	Gly
1				5					10					15	

Met Asp

&lt;210&gt; 7808

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7808

Trp	Thr	Cys	Phe	Leu	His	Ser	Ser	Thr	Val	Trp	Lys	Arg	Trp	Leu	Thr
1				5					10					15	

Ala	Ala	Trp	Leu	Ser	Glu	Phe	Gln	Arg	Asn	Gly	Leu	Leu	Leu	Asn	Ile
			20					25					30		

Gln	Val	Leu	Leu	His	Thr	Arg	Glu	His	Thr	Leu	Ser	Leu	Pro	Leu	Xaa
		35					40					45			

Val	Gly	Val	Ser
		50	

&lt;210&gt; 7809

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6935

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7809

Ile	Leu	Met	Leu	Thr	Arg	Gly	Glu	Asn	Lys	Thr	Gln	Val	Phe	Ser	Ile
1				5					10					15	

Tyr	Ala	Ala	His	Pro	Lys	Leu	Pro	Gln	Met	Ile	Leu	Pro	Ser	Asp	Asn
			20					25					30		

Phe	Ile	Tyr	Lys	Leu	Gly	Lys	Ile	Trp	Cys	Gly	Pro	Phe	Arg	Pro	Xaa
		35					40						45		

Met	Pro	Xaa	Xaa	Thr	Pro	Ser	Cys	Ser	Asn	Asp	Gln	Asn	Met	Leu	Glu
	50						55					60			

&lt;210&gt; 7810

&lt;211&gt; 166

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (162)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (163)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7810

Gly	Ala	Gly	Leu	Arg	Ala	Trp	Gln	Arg	Leu	Asp	His	Gly	Val	Pro	Ala
1				5					10					15	

Pro	Gly	Leu	Ala	Arg	Val	Gln	Ser	Gln	Leu	Gln	Ala	Val	Asn	Thr	Val
			20					25					30		

Ser	Ala	Arg	Val	Leu	Leu	Gly	Ser	Ala	Ala	Pro	Arg	Pro	Pro	Pro	Ala
		35						40					45		

Ser	Leu	Leu	Gly	Ala	Ala	Pro	Cys	Trp	Gln	Pro	Ala	Pro	Pro	Ser	Pro
	50						55					60			



## 6936

Pro Ser Leu Gly Trp Leu Gly Leu Leu Ala Tyr Ser Thr Leu Leu Arg  
 65 70 75 80  
 Ser Arg Ser Arg Ser Ala Ala Leu Asp Ala Arg Ser Leu Leu Phe Leu  
 85 90 95  
 Lys Cys Leu Phe Val Pro Pro His Leu Phe Pro Val Ile Ile Tyr Ser  
 100 105 110  
 Leu Gly Pro Arg Pro Pro Thr His Thr Phe Met Asn Pro His Phe Phe  
 115 120 125  
 Phe Pro Ser Pro Phe Pro Ser Pro Pro Gln Gly Ala Ser Ser Phe Ser  
 130 135 140  
 Gln Ser Ile Cys Pro Leu Ile Trp Pro Leu Leu Ser Leu Ser Pro His  
 145 150 155 160  
 Gly Xaa Xaa Phe Thr Arg  
 165

<210> 7811  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 7811  
 Arg Gly Tyr Cys Glu Ala Thr Ala Lys Met Leu Ile Gln Lys Ile Arg  
 1 5 10 15  
 Ser Asn Thr Tyr Ser Phe Ile Asp Tyr Met Arg Ile Ala Gln Gly Leu  
 20 25 30  
 Val Lys Leu Trp Gln Thr Arg Asp Ile Glu  
 35 40

<210> 7812  
 <211> 39  
 <212> PRT  
 <213> Homo sapiens

<400> 7812  
 Glu Asp Leu Arg Lys Lys Thr Phe Arg Phe Pro Leu Lys Asn Arg Thr  
 1 5 10 15  
 Gln Asn Trp Leu Val Asn Val Phe Arg Met Met Asn Lys Ser Leu Ile

6937

20

25

30

Asn Ser Val Thr Tyr Val Phe

35

&lt;210&gt; 7813

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7813

Lys Leu Ala Ile Ser Glu Gly Glu Glu Gly Gly Gln Gly Glu Gly Ala

1

5

10

15

Gly Met Ala Ala Gly Ser Gln Ala Val Ser Gly Ala Gly Ala Gln Glu

20

25

30

Ala His Arg Arg Ala Ser Trp Lys Glu Trp Thr Val Ser Glu Ala Arg

35

40

45

Gly Lys Arg His Leu Leu Glu Leu Val Thr Pro Ala Trp Cys Pro Pro

50

55

60

Lys Pro Glu Tyr Glu Ala Xaa Arg Met Gln Val Ser Ser

65

70

75

&lt;210&gt; 7814

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6938

<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 6939

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7814

Asn	Xaa	Tyr	Gly	Trp	Lys	Phe	Lys	Leu	Arg	Ala	Xaa	Cys	Cys	Tyr	Leu
1					5				10					15	

Gln	Arg	Glu	Thr	Xaa	Val	Met	Arg	Met	Xaa	Lys	Ile	Xaa	Xaa	Leu	Arg
			20					25						30	

Ile	Xaa	Xaa	Ile	Glu	Xaa	Xaa	Xaa	Tyr	Xaa	Met	Ile	Xaa	Gln	Lys	Lys
			35					40					45		

Gly	Gln	Xaa	Cys	Asn	Gln	Arg	Gly	Arg	Glu
	50					55			

&lt;210&gt; 7815

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7815

Ile	Glu	Lys	Thr	Cys	Leu	Tyr	Leu	Met	Ile	Pro	Val	Leu	Met	Phe	Cys
1				5					10					15	

Val	Ile	Gly	Glu	Val	Gln	Lys	Leu	Arg	Asn	Ile	Val	Asp	Ser	Ile	Glu
			20					25					30		

Asn	Ser	Ile	Leu	Glu	Glu
			35		

&lt;210&gt; 7816

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 6941

&lt;210&gt; 7818

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7818

Gly Thr Ser Pro Val Asp Glu His Val Asp Ile Asn Gly Leu Ala Trp  
 1 5 10 15

Pro Lys Leu Pro Ala Gln His Ala Leu Ala Ser Ala Gly Tyr Ser Glu  
 20 25 30

Asn Ile Leu Phe Lys Thr Leu Tyr Arg Thr Asn Arg Pro Arg Gly Ser  
 35 40 45

Phe Val His Ser Trp Pro Leu Lys Leu Ser Arg Leu Ser Lys Gly  
 50 55 60

&lt;210&gt; 7819

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7819

Cys Phe Thr Val Arg Tyr Lys Ile Lys Met Lys Leu Cys His Ala Asp  
 1 5 10 15

Asn Val Tyr Gln Val Ile Leu Glu Ile Ser  
 20 25

&lt;210&gt; 7820

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7820

Asn Leu Tyr Gln Cys Val His Gln Leu Ser Asn His Arg Val Leu Ser  
 1 5 10 15

Thr Ala Lys Lys Ser Leu Glu Lys Glu Glu Glu Leu Cys Leu Phe Thr  
 20 25 30

Pro Leu Leu Cys Thr Ser Lys Ile Gln Trp Trp Glu Lys Ile Cys Ser  
 35 40 45

6942

Ser Phe Ser Gln Arg Tyr Ser Leu Gly Asn Ala Leu Lys Arg Thr Lys  
 50 55 60

<210> 7821  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<400> 7821  
 Ser Pro Leu Phe Leu Pro Thr Leu Lys Lys Met Ser Ser Tyr Phe Phe  
 1 5 10 15

Trp Glu Arg Gly Gly Leu Ile Arg Lys Lys Cys Ser Val Phe His Leu  
 20 25 30

Lys Phe Trp His Met Ala Phe Ser Asn Leu Gly Ser His Asn Val Leu  
 35 40 45

Gly Pro Ser  
 50

<210> 7822  
 <211> 123  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (120)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (122)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7822  
 Phe Gly Val Thr Tyr Leu Glu Asp Tyr Ser Ala Glu Tyr Ile Ile Gln  
 1 5 10 15

Gln Gly Gly Trp Gly Thr Val Phe Ser Leu Glu Ser Glu Glu Glu Glu  
 20 25 30

## 6943

Tyr Pro Gly Ile Thr Ala Glu Asp Ser Asn Asp Ile Tyr Ile Leu Pro  
           35                    40                    45  
 Ser Asp Asn Ser Gly Gln Val Ser Pro Pro Glu Ser Pro Thr Val Thr  
       50                    55                    60  
 Thr Ser Trp Gln Ser Glu Ser Leu Pro Val Ser Leu Ser Ala Ser Gln  
   65                    70                    75                    80  
 Ser Trp His Thr Glu Ser Leu Pro Val Ser Leu Gly Pro Glu Ser Trp  
                     85                    90                    95  
 Gln Gln Ile Ala Met Asp Pro Glu Glu Val Lys Ser Leu Asp Ser Asn  
                     100                    105                    110  
 Gly Ala Gly Glu Lys Ser Glu Xaa Asn Xaa Ser  
       115                    120

&lt;210&gt; 7823

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7823

Pro Xaa Pro Pro Pro Xaa Val Pro Thr Arg Ala His Pro Cys His Leu  
   1                    5                    10                    15

Cys Pro Gln Pro Pro Arg Leu Ser Ala Thr Ala Ser Phe Ser Thr Glu  
                     20                    25                    30

Asp Leu Gly Lys Gly Cys Cys Leu Cys Ser Phe Phe His Phe Cys Pro  
       35                    40                    45

Leu Leu Ala Leu Arg Val Asp Gly Val Val Leu Gln Tyr Trp Ile Val  
       50                    55                    60

Pro Ala Leu Arg Thr Lys Glu Lys Phe Lys Leu Ser Val Glu Lys Gly  
   65                    70                    75                    80

6944

Ile

&lt;210&gt; 7824

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7824

Thr	Tyr	Ala	Tyr	Ser	Tyr	Ile	Thr	Ile	Ser	Lys	Ile	Gly	Gly	Leu	Arg
1				5					10					15	

Asp	Ala	Ile	Val	His	Ser	Leu	Asn	Val	Leu	Met	Lys	Pro	Lys	Lys	Ser
			20					25					30		

&lt;210&gt; 7825

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7825

Pro	Leu	Ser	Tyr	Phe	Phe	Leu	Ser	Val	Ser	Leu	Ser	Pro	Ala	Ser	Glu
1				5					10					15	

Ser	Pro	Ile	Ser	Ser	Val	Ser	Thr	Cys	Arg	Ile	Ile	Ile	Met	Pro	Cys
			20					25					30		

Thr	Ser	Ser	Leu	Ile	Thr	Cys	Thr	Val	Phe	Phe	Leu	Ile	Leu	Tyr	Gln
			35					40				45			

Met His

50

&lt;210&gt; 7826

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7826

Thr	Gln	Val	Ile	Thr	Pro	Trp	Ala	Gly	Pro	Ala	Pro	Gln	Gly	Pro	Ile
1				5					10					15	



## 6945

Pro Leu Leu Pro Ser Leu Ser Ser Pro Thr Ala Gln Ala Gly Ala Lys  
20 25 30

Pro Thr Gly Arg Thr Cys Asp His Arg Gln Gly Pro Arg Thr Pro Ala  
35 40 45

Pro Gly Ile Leu Thr Ser Arg Lys Glu Thr  
50 55

<210> 7827

<211> 65

<212> PRT

<213> Homo sapiens

<400> 7827

Lys Trp Asn Glu Val Pro Gly Asp Leu Asn Ser His Gly Gly Lys Arg  
1 5 10 15

Lys Arg Thr Leu Cys Lys Glu Met Ala Ser Arg Val Pro Gly Glu Pro  
20 25 30

Ile Pro Leu Gly Arg Arg Cys Ser Val Arg Trp Thr Trp Thr Trp Ile  
35 40 45

Lys Trp Val Phe Asn Lys Tyr Leu Leu Ser Arg Trp Trp Arg Arg His  
50 55 60

Asp  
65

<210> 7828

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6946

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7828

Trp Val Pro Arg Ala Ala Xaa Ile Arg Gln Xaa Xaa Leu Gly Ser Ser

1

5

10

15

Phe Gly Ser Gly Ala Gly Ser Ser Ser Phe Ser Arg Thr Ser Ser Ser

20

25

30

Arg Ala Val Val Val Lys Lys Ile Glu Thr Arg Asp Gly Lys Leu Val

35

40

45

Ser Glu Ser Ser Asp Val Leu Pro Lys

50

55

&lt;210&gt; 7829

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7829

Lys Phe Thr Lys Cys Leu Val Gln Leu Asn Ile Leu Leu Phe Lys Cys

1

5

10

15

Val Leu Leu Asn Phe Leu Leu Ser Leu Leu Asn Asn Leu Cys Gly Lys

20

25

30

Met Cys Val Ser Thr Phe Pro Ser Phe Xaa Ile Ser Tyr Phe Gln Glu

35

40

45

Ser Asn Val Ala Ile Asn Cys Ile Leu Val

50

55

&lt;210&gt; 7830

&lt;211&gt; 118

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

## 6947

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7830

Pro Arg Val Arg Pro Arg Val Arg Glu Asn Gln Asp Gln Ala Ser Phe

1

5

10

15

## 6948

Cys Pro Ser Ala Pro Arg Glu Val Ser Val Leu Pro Glu Leu Ala Leu  
                   20                  25                  30  
 Gly His Leu Arg Tyr Arg Leu Thr Gly Val Pro Pro Gln Ser Asn Ser  
                   35                  40                  45  
 Pro Pro Gly Thr Val Pro Gly Ala Gly Xaa Ala Arg Xaa Xaa Arg Gly  
                   50                  55                  60  
 Arg Ala Leu Gly Ala Arg Ser Glu Ser Pro Ser Gly Leu Xaa Pro Pro  
                   65                  70                  75                  80  
 Xaa Xaa Arg Val Ser Glu Lys Thr Ile Arg Val Val Val Phe His Arg  
                                   85                                  90                                  95  
 Arg Pro Ala Arg Xaa Xaa Lys Pro Gly Xaa Gly Ala Pro Ser Arg Gly  
                   100                  105                  110  
 Lys Arg Gly Gly Ala Xaa  
                   115

&lt;210&gt; 7831

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7831

Glu Ser Arg Leu Arg Xaa Pro Asp Ser Arg Pro Xaa Ala Arg Pro His  
   1                  5                  10                  15

Leu Xaa Pro

6949

<210> 7832  
<211> 51  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 6950

&lt;400&gt; 7832

```

Ser Leu Xaa Gly Thr Asn Leu Xaa Glu Tyr Leu Xaa Lys Glu Lys Leu
 1             5             10             15

Xaa Lys Glu Ala Ala Lys Xaa Leu Glu Gln Ser Lys Glu Ala Asp Ile
          20             25             30

Asp Ser Xaa Asp Xaa Ser Asp Ile Glu Glu Asp Ile Asp Xaa Pro Ser
      35             40             45

Ala His Xaa
      50

```

&lt;210&gt; 7833

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7833

```

Ile Leu Val Gln Tyr Asp Val Ile Gln Leu Cys Ile Glu Leu Asn Phe
 1             5             10             15

Gly Cys Ile Tyr Met Tyr Tyr Thr Cys His Ala Ser Ser Cys Phe Asn
          20             25             30

His Phe Ile Thr Ile Phe Val His Ile Leu Leu Glu Asn Ile Leu Asn
      35             40             45

Gly Asn Leu Asn Lys His Leu Ile Val Tyr Ile Lys Lys Xaa Xaa
      50             55             60

```

&lt;210&gt; 7834

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 6951

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7834

Xaa	Lys	Met	Xaa	Glu	Gln	Glu	Xaa	Val	Ala	Gln	Leu	Tyr	Met	Thr	Leu
1				5					10					15	

Lys	Xaa	Xaa	Glu
			20

<210> 7835

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7835

Ile	Pro	Pro	Cys	Ser	Val	Tyr	Leu	Gln	Asp	Cys	Ile	Gly	Asn	Leu	Ser
1				5				10						15	

6952

Ser Ser Ser Pro Ser Pro His Tyr Leu Leu His Thr Val Leu Thr Asp  
                   20                  25                  30

Ser Val Leu Ile Leu Ile Thr Arg Thr Ile Asn Ser Ser Xaa Gly Ile  
                   35                  40                  45

Ser Gly Val Tyr Ser Arg Leu Ser Leu Ile Xaa Val Pro Lys Phe Phe  
                   50                  55                  60

&lt;210&gt; 7836

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7836

Glu Glu Ile Asn Ile Leu Phe Gln Glu Glu Leu Ile Ser Leu Ala Lys  
   1                  5                  10                  15

Tyr Leu Pro Phe Ile Met Xaa Ser Lys Ser Ala Ile Xaa Phe Ser Phe  
                   20                  25                  30

Asn Phe Xaa Lys Leu Xaa Asn Tyr Phe Lys Asn Ser Cys Arg Trp Trp  
                   35                  40                  45

Lys



6953

&lt;210&gt; 7837

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7837

Gly	Arg	Trp	Xaa	Ser	Gly	Asp	Lys	Phe	Trp	His	Ile	Leu	Ser	Thr	Leu
1				5					10					15	

Trp	Val	Asp	Arg	Gly	Gly	Arg	Met	Glu	His	Pro	Trp	Arg	Gly	Tyr	Val
		20					25						30		

Gly	Asp	Ser	Ile	Phe	Pro	Pro	Ala	Xaa	Xaa	Asn	Lys	Xaa	Leu	Ile	Trp
		35					40					45			

Gly	Lys	Xaa	Trp	His	Thr	Xaa
	50					55

6954

&lt;210&gt; 7838

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7838

Arg	Lys	Leu	His	Glu	Leu	Ile	Val	Leu	Tyr	Gly	Lys	Ile	Xaa	Leu	Glu
1				5					10					15	

Arg	Tyr	Phe	Xaa	Lys	Xaa	Phe	Phe	Pro	Ser	Xaa	Asn	Phe	Met	Lys	Leu
			20					25					30		

Xaa

&lt;210&gt; 7839

&lt;211&gt; 85

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

6955

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7839

Arg	Thr	Tyr	Phe	Pro	Val	Lys	Met	Pro	Thr	Thr	Lys	Lys	Thr	Leu	Met
1				5				10						15	

Phe	Leu	Ser	Ser	Phe	Phe	Thr	Ser	Leu	Gly	Ser	Phe	Ile	Val	Ile	Cys
			20					25					30		

Ser	Ile	Leu	Gly	Thr	Gln	Ala	Trp	Ile	Thr	Ser	Thr	Ile	Ala	Val	Arg
		35					40					45			

Asp	Ser	Ala	Ser	Asn	Gly	Ser	Ile	Phe	Ile	Thr	Tyr	Gly	Leu	Phe	Arg
	50					55					60				

Gly	Glu	Ser	Ser	Glu	Glu	Leu	Ser	His	Gly	Leu	Ala	Glu	Pro	Xaa	Lys
65						70				75					80

Lys	Phe	Cys	Ser	Phe
				85

&lt;210&gt; 7840

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7840

Leu	Thr	Ile	Arg	Asn	Glu	Tyr	Ser	Asn	Phe	Pro	Phe	Ser	Arg	Xaa	Pro
1				5				10						15	

Thr	Met	Ala	Gly	Gly	Leu	Phe	Ala	Met	Asn	Arg	Gln	Tyr	Phe	His	Gly
			20					25					30		

Thr	Trp	Thr	Val
			35

&lt;210&gt; 7841

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 6956

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7841  
Gln Xaa His Ile Ser Pro Xaa Ala Ser Cys Glu Val Xaa Ala Pro Gln  
1 5 10 15  
Pro Ser Pro Ala Gly Arg Pro Arg Gly His Trp Arg Xaa Pro Asp Leu  
20 25 30  
Gly Pro Val Xaa Leu Pro Ala Phe Xaa Glu Xaa Gly Gly Arg Arg Ala  
35 40 45

6957

Ala Pro Xaa Val  
50

&lt;210&gt; 7842

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7842

Arg	Pro	Thr	Arg	Pro	Pro	Thr	Arg	Pro	Val	Xaa	Ser	Ile	Pro	Xaa	Leu
1				5					10					15	

Trp	Ala	Ala	Xaa	Val	Ser	Pro	Pro	Lys
			20					25

&lt;210&gt; 7843

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

6958

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7843

Xaa	Leu	Asn	Tyr	Gln	Xaa	Ile	Thr	Gly	Val	Ile	Leu	Xaa	Tyr	Asp	Arg
1				5					10					15	

Xaa	Thr	Tyr	Leu	Thr	Asn	Lys	Gln	Thr	Val	Xaa	Phe	Ser	Met	Gly	Gln
			20					25						30	

Gly	Leu	Pro	Tyr	Asn	Xaa	Ser
						35

&lt;210&gt; 7844

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7844

Gly	Pro	Cys	Pro	Ala	Val	Leu	Thr	Glu	Ala	Cys	Phe	Pro	Leu	Pro	Leu
1				5					10					15	

Leu	Leu	Cys	Trp	Asn	Ser	Thr	Gly	Thr	Arg	Ala	Thr	Ala	Gly	Thr	Val
			20					25					30		

Ser	Glu	Asp	Leu	Ile	Phe	Pro	Ser	Leu	Phe	Leu	His	Thr	Pro	Leu	Thr
			35					40					45		

Asn	Val	Pro	Ser	Gly	Phe	His	Leu	Trp	Gly	Phe	Lys	Cys	Phe	Gln	Ala
		50					55				60				

Gln	Pro	Thr	Thr	Thr	Ser	Lys	Cys	Ile	Ser	Val	Val	Val	Leu	Phe	Cys
65						70				75					80

## 6959

Leu Cys

&lt;210&gt; 7845

&lt;211&gt; 146

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (124)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (127)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7845

Leu	Ala	Glu	Ile	Gly	Ala	Val	Thr	Leu	Val	Ser	Ala	Pro	Arg	Pro	Asp
1				5				10						15	

Ser	Arg	His	His	Ser	Leu	Ala	Leu	Thr	Ser	Phe	Lys	Arg	Gln	Gln	Glu
			20					25					30		

Glu	Ser	Phe	Gln	Glu	Gln	Ser	Ala	Leu	Ala	Ala	Glu	Ala	Arg	Glu	Thr
		35					40					45			

Arg	Arg	Gln	Glu	Leu	Leu	Glu	Lys	Ile	Thr	Glu	Gly	Gln	Ala	Ala	Lys
		50				55					60				

Lys	Gln	Lys	Leu	Glu	Gln	Ala	Ser	Gly	Ala	Ser	Ser	Ser	Gln	Glu	Ala
65					70					75				80	

Gly	Ser	Ser	Gln	Ala	Ala	Lys	Glu	Asp	Glu	Thr	Ser	Asp	Gly	Gln	Ala
			85						90					95	

Ser	Gly	Glu	Gln	Glu	Glu	Ala	Gly	Pro	Ser	Ser	Ser	Gln	Ala	Gly	Pro
			100					105					110		

Ser	Asn	Gly	Val	Ala	Pro	Leu	Pro	Asp	Leu	Leu	Xaa	Leu	Ser	Xaa	Trp
		115					120					125			

Pro	Leu	Gln	Ala	Ser	Thr	Gly	Gln	Gly	Gln	Ala	Pro	Gly	Leu	Ala	Cys
	130					135					140				

Pro	Val
145	

6960

&lt;210&gt; 7846

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids.

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7846

Gly Arg Xaa Ala Gly Leu Ala Ala Arg Asp His Gly Gly Ser Ala Lys

1

5

10

15

Arg Xaa Xaa Xaa Leu Pro

20

&lt;210&gt; 7847

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



## 6961

&lt;400&gt; 7847

Ser Thr Ile Lys Glu Arg Gly Leu Gln Arg Thr Lys Gly Xaa Lys Pro  
1 5 10 15

Ser Ile Arg Ala Xaa Ala His Tyr Val Asn His His Pro Asn Gln Val  
20 25 30

Phe Trp Gly Arg Gly Ala Val Lys Ala Leu Asn Arg Asn Pro Lys Gly  
35 40 45

Ser Pro Arg Phe  
50

&lt;210&gt; 7848

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6962

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7848

Gly	Ala	Met	Arg	Gly	Asp	Xaa	Gly	Arg	Gly	Arg	Gly	Xaa	Arg	Phe	Xaa
1				5				10						15	

Xaa	Arg	Xaa	Gly	Pro	Glu	Glu	Gly	Ser	Ser	Pro	Leu	Leu	Pro	His	Xaa
			20					25					30		

Pro	Leu	Asp	Phe	Tyr	Leu	Cys	Glu	Xaa	Xaa	Leu	Phe	Pro	Gly	Gln	Xaa
		35					40					45			

Gln	Gln	Leu	Trp	Lys	Leu	Ser	Xaa	Met	Arg
	50					55			

&lt;210&gt; 7849

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6963

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7849

Leu	Cys	Leu	Cys	Ile	Lys	Leu	Thr	Val	Leu	Trp	Ser	Phe	Gly	Met	Asp
1				5					10					15	

Gln	Glu	Glu	Lys	Val	Asn	Thr	Asn	Leu	Xaa	Thr	Thr	Ser	Glu	Xaa	Ser
			20					25					30		

Thr	Xaa	Ser	Cys	Tyr	Arg	Arg	Ile	Cys	Ser	Arg	Leu	Xaa	Pro	Ala	Gly
		35					40					45			

Cys	Pro	Gly	Arg	Gly	His	Lys	Met	Pro	Ser	Thr	Xaa	Thr	Arg	Xaa	Glu
	50					55					60				

Asn	Leu	Arg	Asp	Gly	Arg	Cys
65					70	

&lt;210&gt; 7850

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6965

&lt;400&gt; 7851

Asn Xaa Thr Pro Cys Arg Val Pro Val Arg Asn Ser Arg Val Asp Pro  
 1 5 10 15

Arg Val Arg Ala Xaa Leu Xaa Val Ser Thr Leu Xaa Ala Ile Cys Ile  
 20 25 30

Ile Asn Ser Glu Asn Arg Xaa Ala Met Cys Met Gly Gly Thr  
 35 40 45

&lt;210&gt; 7852

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7852

Trp Xaa Thr Ala Xaa Xaa Gly Arg Leu Gln Val Pro Val Arg Asn Ser  
 1 5 10 15

6966

Arg Ala Gln Gln Xaa Ala Gln Pro Glu Trp Arg Met Gly Xaa Leu Pro  
20 25 30

Val Thr Gly Ala Leu Ser Arg Xaa Gly Val Trp Arg  
35 40

<210> 7853

<211> 95

<212> PRT

<213> Homo sapiens

**<220>**

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

&lt;221&gt; SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (94.)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7853

Ala Pro Gly Gly Ala Cys Ala Gly Arg Val Gly Leu Thr Gln Asn Arg  
1 5 10 15

His Pro Ser Ser Phe Leu Gln Leu Pro Ala Pro Thr Gly Pro Asp Leu  
20 25 30

Ala Ser Pro Arg Leu Cys Arg Asp Lys Ala Glu Ala Gln Cys His Asp  
35 40 45

Cys Pro Arg Ile Glu Lys Gln Lys His Lys Thr Leu Thr Leu Thr Cys  
50 55 60

6967

Glu Ile Glu Xaa Arg Phe Ser Phe Leu Leu Ser Leu Gly Xaa Ser Ser  
 65 70 75 80

Gln Lys Arg Lys Asn Pro Asp Leu Xaa Xaa Glu Gly Pro Xaa Glu  
 85 90 95

&lt;210&gt; 7854

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7854

Glu Gln Phe Thr Leu Thr His Ser Cys Cys Thr Ser Glu Asn Glu Ala  
 1 5 10 15

Leu Gln Ala Cys Thr Tyr Tyr Ile Thr Cys Ala Trp Leu Met Ala Met  
 20 25 30

His Phe Gln Ser Glu Phe Ile Tyr Lys Tyr Met His Pro Phe Phe  
 35 40 45

&lt;210&gt; 7855

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6968

&lt;400&gt; 7855

Ala Arg Ala Gly Gly Pro Gly Ala Ala Gly Arg Gly Xaa Trp Ala Ala  
1 5 10 15

Arg Xaa Pro Xaa Asp Trp Xaa Pro Gly Thr Pro Arg Gln  
20 25

&lt;210&gt; 7856

&lt;211&gt; 90

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7856

Ala His Ala Ser Ala Val Arg Val Gly Lys His Leu Ser Phe Arg Gly

6969

1	5	10	15
Asp Ser Pro Ser Pro Ser Ser Phe Ala Glu Val Thr Gln Gly Trp Ser	20	25	30
Arg Glu Xaa Ala Asp Asp Ile Xaa Ser Asn Pro Cys Leu Leu Pro Ser	35	40	45
Arg Thr Val Gly Xaa Arg Ala Cys Thr Pro Val Gly Ser Lys Gly Ser	50	55	60
His Arg Ser Lys Thr Pro Pro His Pro Lys Lys Arg Gly Lys Lys Xaa	65	70	75
Xaa Ser Val Xaa Asp Lys Pro Val Phe Xaa	85	90	

&lt;210&gt; 7857

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7857

Asn His Thr Val Gln Thr Phe Phe Ser Pro Val Asn Asn Gly Gln Xaa



## 6970

1                    5                    10                    15  
Pro Asn Tyr Ile Asn Ile His Arg Xaa Glu Gln Xaa Val Cys Val Xaa  
                  20                    25                    30  
Gly Ala Pro Gln Thr Xaa Ser Pro His  
                  35                    40

&lt;210&gt; 7858

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7858

Ala Asp Ala Trp Ala Asp Ala Trp Ala Asp Ala Trp Ala Gly Arg Trp  
1                    5                    10                    15

Asn Ala Pro Thr Leu Xaa Leu Cys Gly Tyr Met Pro Gly Leu Ser Ile  
                  20                    25                    30

&lt;210&gt; 7859

&lt;211&gt; 114

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6971

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (88)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (90)  
<223> Xaa equals any of the naturally occurring L-amino acids

6972

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7859

Phe	Leu	Lys	Leu	Thr	His	Xaa	His	Leu	Ile	Xaa	Gly	Lys	Lys	Ala	Trp
1				5					10					15	

Val	Thr	Ala	Xaa	Xaa	Gly	Leu	Pro	Gly	Ser	Gly	Xaa	Asn	Phe	Pro	Arg
			20					25					30		

Gly	Ser	Glu	Pro	Xaa	Xaa	Xaa	Val	Pro	Glu	Leu	Lys	Phe	Leu	Lys	Asn
		35					40					45			

Pro	Arg	Lys	Ala	Gly	Pro	Ala	Ser	Leu	Arg	Lys	Gly	Ile	Pro	Lys	Gly
	50					55					60				

Leu	Xaa	Pro	Phe	Thr	Xaa	Arg	Leu	Ala	Ile	Ala	Glu	Arg	Phe	His	Xaa
65					70				75						80

Ala	Ser	Phe	Leu	Ile	Lys	Leu	Xaa	His	Xaa	Xaa	Lys	Phe	Gln	Ile	Ser
				85					90					95	

Thr	Gly	Ala	Gly	Pro	Phe	Leu	Thr	Asn	Arg	Ser	Val	Asn	Leu	Gly	Gly
			100					105					110		

Lys Asn

&lt;210&gt; 7860

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6973

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7860

Pro	Xaa	Xaa	His	Phe	Asn	Phe	Leu	Xaa	Glu	Lys	Lys	Leu	Trp	Gly	Leu
1					5				10					15	

Thr	Ala	Leu	Trp	Xaa	Thr	Arg	Leu	Thr	Xaa	Gly	Phe	Pro	Gly	Gly	Lys
			20					25					30		

Phe	Pro	Pro	Gly	Gly	Phe	Pro	Asn	Pro	Xaa	Xaa	Arg	Phe	Pro	Gly	Gly
			35				40					45			

Glu	Arg	Xaa	Val	Trp	Gly	Ala
	50					55

&lt;210&gt; 7861

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6974

&lt;400&gt; 7861

Asp Ile Cys Ile Phe Leu Cys Thr Cys Phe Tyr Lys Met Tyr Leu Ile  
1 5 10 15

Lys Leu Thr Phe Thr Cys Tyr Met Ile Leu Phe Ser Phe Phe Met Val  
20 25 30

Ile Arg Glu Arg Thr Thr Lys Lys Arg Val Leu Lys Xaa Gln Val Arg  
35 40 45

Met Phe Phe Gly His Leu Lys Pro Lys Leu Asn Val Phe Gln Pro Asn  
50 55 60

&lt;210&gt; 7862

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7862

Gly Val Ser Xaa Ala Arg Thr Leu Arg Gly Xaa Gly Leu Arg Leu Tyr  
1 5 10 15

Thr Leu Arg Pro Pro  
20

&lt;210&gt; 7863

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6975

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7863

Asp Gly Xaa Ser Asn Leu Xaa Leu Leu Ile Xaa Lys Xaa Gly Thr Pro  
1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Gly Xaa  
20 25 30

Val Ser Trp Asp Xaa Xaa Val Met Xaa Gly Lys Thr Gln Arg Leu Ala  
35 40 45

Pro Ile Phe  
50

## 6976

&lt;210&gt; 7864

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7864

Thr	Ile	Met	Asp	Met	Tyr	Phe	Leu	Val	Ser	Leu	Thr	Pro	Lys	Gly	Asn
1				5					10					15	

Gly	Gly	Leu	Xaa	Gln	Ile	Asp	Xaa	Leu	Ser	Lys	Xaa	Ile	Cys	Phe	Ser
		20						25					30		

Lys	Gln	Asn	Leu	Cys	Xaa	Ile	Glu	Asp	Xaa	Ser	Leu	Phe	Thr	Tyr	Arg
		35					40					45			

Val	Asn	Arg	Leu	Tyr	Cys	Leu	Leu	Arg	Ser
	50					55			

&lt;210&gt; 7865

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

6977

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7865

Gly	Lys	Glu	Gly	Arg	Val	Xaa	Gly	Val	Ser	Val	Ser	Leu	Thr	Gly	Lys
1				5				10						15	

Thr	Gln	Xaa	Leu	Leu	Leu	Xaa	Leu	Val	Ala	Xaa	Leu
			20				25				

&lt;210&gt; 7866

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)



6978

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7866

Pro	Leu	Gly	Arg	Xaa	Leu	Val	Arg	Val	Gln	Val	Pro	Val	Arg	Asn	Ser
1				5					10					15	

Arg	Val	Asp	Pro	Arg	Phe	Arg	Xaa	Glu	Glu	Gly	Gln	Xaa	Lys	Val	Val
			20					25					30		

Leu	Ser	Leu	Xaa	Gly	Asn	Ser	Cys	Pro	Ser	Pro	Ile	Ser	Leu	Lys	Leu
		35					40						45		

Asn	Lys	Val	Ser	Leu	Ser	Xaa	Thr	Gly	Ser	Xaa
	50					55				

<210> 7867

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

6979

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7867

Xaa	Trp	Gly	Lys	Gly	Lys	Xaa	Tyr	Ala	Trp	Xaa	Xaa	Pro	Val	Arg	Asn
1				5					10					15	

Ser	Arg	Xaa	Asp	Pro	Arg	Xaa	Arg	Xaa	Arg	Val	Gly	Gly	Arg	Val	Xaa
			20					25					30		

Gln

&lt;210&gt; 7868

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7868

Ala	Asp	Ala	Trp	Val	Arg	Met	Val	Xaa	Arg	Gln	Val	Pro	His	Glu	Arg
1				5					10					15	

Ala

## 6980

&lt;210&gt; 7869

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7869

Gly Gly Gly Xaa Gly Xaa Thr Xaa Xaa Phe Lys Ser Glu Pro Xaa Lys  
1 5 10 15

Xaa Xaa Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr  
20 25 30

His

6981

&lt;210&gt; 7870

&lt;211&gt; 96

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6982

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (94)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7870

Pro Arg Val Arg Gly Arg Val Gly Cys Ser Thr Cys Pro Lys Gln Pro  
1 5 10 15

Ala Ser Pro Gly His Arg Leu Pro Phe Gly Xaa Glu Gly Trp Pro Ile  
20 25 30

Xaa Ala Ala Gly Ser Xaa Gly Xaa Gly Trp Ala Ser Gly Gly Gly Gly  
35 40 45

Phe Leu Leu Ser Thr Xaa Gly His Pro Gly Asn Lys Gly Xaa Gln Gly  
50 55 60

Ile Leu Leu Pro Ala Pro Leu Cys Arg Trp His Xaa Gly Arg Val Pro  
65 70 75 80

Thr Val Lys Asp Glu Arg Xaa Lys Ala Leu Xaa Glu Pro Xaa Ser Gln  
85 90 95

&lt;210&gt; 7871

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7871

## 6983

Gly Gly Gly Xaa Gly Xaa Asp Tyr Gly Leu Ser Asn Thr Xaa His Tyr  
 1 5 10 15

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Asn Ser Arg Val  
 20 25 30

Asp Pro Arg Val  
 35

<210> 7872

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7872

Asp Pro Arg Val Arg Val Thr Arg Xaa Arg Thr Arg Xaa Ser Lys Lys  
 1 5 10 15

Lys Lys Lys Xaa  
 20

<210> 7873

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 6984

<221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7873  
 Xaa Xaa Asn Gly Met His Arg Xaa Leu Xaa Leu Lys Gly Arg Xaa Asp  
   1                  5                  10                  15  
  
 Arg Ser Arg Gln Val Xaa Leu Pro Cys Ser Gly Asn Val His Gly Xaa  
                   20                  25                  30  
  
  
 <210> 7874  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

6985

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7874

Ala	Ile	Xaa	Trp	Thr	Ser	Ser	Ser	Ser	Met	Leu	Ala	Pro	Ser	Arg	Ser
1				5				10					15		

Leu	Xaa	Xaa	Arg	Leu	Thr	Leu	Asp	Met	Ser	Thr	Gly	Pro	Ser	Trp	Asp
			20				25						30		

Arg	Thr	Val	Pro
		35	

&lt;210&gt; 7875

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



6986

&lt;400&gt; 7875

Xaa His Glu Lys Xaa His Gly Thr Pro Ala Xaa Thr Gly Pro Glu Phe  
1 5 10 15

Thr Gly Arg Asp Trp Glu Asn Pro Asp His Xaa Arg Xaa Gly Asn Leu  
20 25 30

Ala

&lt;210&gt; 7876

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7876

Gly Xaa Asp Tyr Thr Val Leu Thr Gly Xaa Thr Xaa Leu His Xaa Met  
1 5 10 15

Leu Cys Gly Ser Tyr  
20

&lt;210&gt; 7877

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6987

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7877

Leu Ser Pro His Cys Gly Leu Pro Asn Pro Xaa Leu Leu Pro Phe Gly

1

5

10

15

Xaa Phe Gly Lys Ser Asn Ser Cys Leu Pro Met Ala Ser Leu Arg Pro

20

25

30

Asn Ser Phe Pro His Val Xaa His Ser Lys Pro Arg Phe Ser Leu Pro

35

40

45

## 6988

Xaa Asp Leu Leu Xaa Ser Asn Leu Phe Ile Phe Leu Val Tyr Lys Ser  
50 55 60

Gln Asn Ile Glu Phe Trp Glu Xaa Phe Xaa His Tyr Val Ser Lys Xaa  
65 70 75 80

Lys Arg

<210> 7878

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7878

Ile Ile Glu Xaa His Gly Ser Leu His Val Pro Val Arg Asn Ser Arg  
1 5 10 15

Val Val Thr Gly Lys Thr Gln Thr Ile Xaa Leu Ser Arg Xaa Xaa Ala  
20 25 30

Leu Leu

<210> 7879

<211> 76

<212> PRT

6989

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7879

Ser	Leu	Lys	Ser	Ser	Thr	Ile	Phe	Trp	Gly	Val	Leu	Asn	Thr	Asn	Ile
1				5					10					15	

Ala	Trp	Ala	Xaa	Xaa	Lys	Xaa	Xaa	Leu	Pro	Ser	Leu	Ala	Ile	Xaa	Gly
			20					25						30	

Val	Gly	Gln	Thr	Ile	Cys	Ser	Trp	Cys	Val	Leu	Gln	Glu	Xaa	Gln	Thr
		35					40						45		

## 6990

Leu Tyr Leu Thr Arg Glu Gly Gly Arg Asn Ser Val Glu Asp Glu Val  
 50 55 60

Glu Arg Val Ile Thr Ile Xaa Ala Glu Ser Xaa Thr  
 65 70 75

<210> 7880

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7880

Gly Xaa Leu Thr Thr Phe Gly Lys Xaa His Ala Cys Arg Tyr Arg Ser  
 1 5 10 15

Gly Ile Pro Gly Ser Thr His Ala Phe Asp Phe Ser Leu Gln Pro Gly  
 20 25 30

Pro Asn Ser His Leu Pro Gly Arg Ile Ser Ser Lys Glu Val Pro Gly  
 35 40 45

Gly Trp Gly Pro Gly Arg Leu Trp Thr Pro Ile Ser Arg Gly Pro Ser  
 50 55 60

Gln Pro Asp Pro Cys Pro Pro Ser Ser Gly Gly Gly Arg Cys Arg Val  
 65 70 75 80

Trp Leu Ser Phe Pro Pro Thr Phe Pro Gly Pro Asn Pro Phe Leu Ser  
 85 90 95

Tyr Thr Gln Leu Gly Leu Leu Pro  
 100

<210> 7881

<211> 53

<212> PRT

## 6991

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7881

Pro	Ala	Leu	Thr	Gly	Asn	Ser	Ser	Phe	Met	Gly	Asn	Asn	Cys	Asn	Pro
1				5					10					15	

Arg	Ser	Pro	Ser	Arg	Met	Gly	Phe	Asn	Gly	Leu	Pro	Ala	Pro	Ala	Ala
			20					25					30		

Xaa	Gly	Arg	His	Thr	Leu	Ser	His	Ser	Met	Xaa	Ala	Arg	Xaa	Ala	Arg
		35					40					45			

Thr	Ser	Lys	Gly	Ser
				50

<210> 7882

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6992

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7882

Pro	Arg	Xaa	Xaa	Pro	Arg	Val	Arg	Ser	Arg	Lys	Xaa	Val	Pro	Ala	Leu
1				5					10					15	

Leu	Xaa	Pro	Leu	Xaa	Ala	Pro	Pro	Pro	Ala	Gln	Gly	Gln	Arg	Gln	Arg
			20						25				30		

Gln	Arg	Arg	Leu	Gly	Arg	Phe	Xaa	Arg	Glu	Ala	Ser	Xaa	Asp	Arg	Trp
			35					40					45		

Pro	Cys	Gly	Ile	Xaa	Asp	Asn	Xaa	Thr	Leu	Ser	Arg	Arg	Arg
			50				55					60	

&lt;210&gt; 7883

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 6993

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7883  
Thr Thr Arg Thr Pro Leu Xaa Val Val Leu His Arg Glu Ala Xaa Leu  
1 5 10 15  
Val Val Ala Pro Thr Glu Ser Thr Thr Ile Met Cys Val Trp Asp Thr  
20 25 30  
Ser Val Val Xaa Leu Lys Arg Tyr Met His Phe Tyr Gly Ile Lys Ile  
35 40 45  
Ser Lys Lys Lys Met Gly Ala Xaa His Ala  
50 55

<210> 7884  
<211> 76  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>



6994

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7884

Thr Ala Ala Ala Pro Leu Pro Ala Tyr Pro Ser Cys Ala Ala Pro Glu  
1 5 10 15

Pro Gly Lys Glu Ala Ala Met Gln Gly Ser Thr Gly Xaa Gln Glu Thr  
20 25 30

His Leu Arg Leu Ser Pro Ser Pro Xaa Pro Thr Trp Gly Val Tyr Tyr  
35 40 45

Leu Gly Thr Pro Leu Ala His Ala Xaa Ser Leu Gln Asn Asn Xaa Asn  
50 55 60

Cys Phe Phe Phe Leu Val Gln Asn Lys Thr Ser Val  
65 70 75

&lt;210&gt; 7885

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6995

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 6996

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7885  
Met Gly Ala Gly Gln Val Pro Val Asp Leu Thr Arg Gly Pro Glu Gln  
1 5 10 15  
Tyr Gly Lys Gly Xaa Xaa Glu Xaa Xaa Xaa Pro Pro Xaa Xaa Ile Xaa  
20 25 30  
Xaa Val Xaa Xaa Xaa Phe Arg Xaa Xaa Pro Asn Leu Val Xaa Val Xaa  
35 40 45  
Xaa Xaa Arg Xaa Lys Gly Phe Xaa Lys Phe Lys Arg Val Ser Xaa Xaa

6997

50

55

60

Lys

65

&lt;210&gt; 7886

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7886

Asn Ser Ala Glu Xaa Cys Arg Ala Leu Pro Thr Cys Val Cys Arg Ile

1

5

10

15

Arg Ser Lys Ser Pro Ala Trp Pro Gln Ser Trp Pro Ile Ser Arg Gly

20

25

30

Met Ala Lys Pro Arg Cys Ala Gly His Ser His Leu Ile Phe Val Thr

35

40

45

Val Ala Gly Ser Cys Ser Asp Pro Pro Trp Ser Glu Xaa Pro Gly Ile

50

55

60

Asp Trp Gly Gln Met Met Pro Val Phe Ile Glu Gln Lys Tyr Trp Phe

65

70

75

80

&lt;210&gt; 7887

&lt;211&gt; 96

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

## 6998

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7887

Ile	Arg	Xaa	Arg	Xaa	Gln	Arg	Gly	Leu	Arg	Ala	Pro	Ala	Leu	Gly	Val
1				5				10						15	

Gly	Pro	Asn	Gly	Ala	Gly	Lys	Xaa	Pro	Ser	Thr	Gly	Pro	Glu	Gly	Val
		20						25					30		

Met	Glu	Ala	Ala	Ser	Met	Gly	Cys	Pro	Cys	Ala	Glu	Gly	Cys	Ser	Arg
		35						40					45		

Ala	Cys	Gly	His	Lys	Glu	Gly	Gly	Thr	Arg	Arg	Asn	Pro	Trp	Ala	Gly
		50					55				60				

Thr	Ser	Gly	Val	Trp	Thr	Gly	Gly	Leu	His	His	Arg	Lys	Xaa	Asn	Leu
	65					70					75				80

Cys	Val	Cys	Val	Xaa	Cys	Leu	Arg	Thr	His	Gly	Cys	Xaa	Cys	Val	Gln
				85						90				95	

6999

&lt;210&gt; 7888

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7000

<221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7888  
 Lys Ala Ile Phe Ala Leu Phe Leu Xaa Arg Leu Leu Ala Arg Arg Ser  
       1                  5                  10                  15  
 Xaa Leu Arg Arg Gly Leu Xaa Pro Pro Xaa Xaa Leu Xaa Xaa Ala Leu  
                   20                  25                  30  
 Ser Pro Glu Ser Leu Asn Ser Xaa Phe Leu Phe Asn Pro Leu His Xaa  
           35                  40                  45  
 Xaa Thr Gly Val Pro Xaa His Val Arg Arg Xaa Xaa Arg His Gln Leu  
       50                  55                  60  
 Pro Lys Xaa Pro Xaa Arg Thr  
       65                  70  
  
 <210> 7889  
 <211> 111  
 <212> PRT  
 <213> Homo sapiens

## 7001

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (98)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (107)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7889

Gly	Ser	Thr	Ile	Thr	Arg	Cys	Thr	Ala	Glu	Ala	Gln	Gly	Leu	Leu	Arg
1				5					10					15	

Thr	Pro	Ala	Arg	Pro	Gln	Arg	Ser	Pro	Ser	Xaa	Pro	Leu	Asp	Pro	Ala
		20						25					30		

Leu	Ser	Cys	Gln	Gly	Val	Leu	Gly	Gly	Arg	Phe	Ser	Leu	Val	Gln	Thr
		35					40					45			

Trp	Leu	Pro	Val	Xaa	Pro	Leu	Ala	Ala	Gln	Gly	Arg	Leu	His	Arg	Ser
	50					55					60				

Ala	Glu	Trp	Leu	Gln	Gly	Arg	Xaa	Leu	Asn	Arg	Arg	Pro	Met	Gly	Asp
65					70					75				80	

Gly	Glu	Glu	Met	Val	Ser	Ser	Thr	Thr	Xaa	Leu	Thr	Asp	Gly	Gly	Ala
				85						90				95	

Glu	Xaa	Ser	Gly	Ser	Pro	Gly	Gly	Leu	Gly	Xaa	Thr	Thr	Arg	Phe	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--



## 7002

100

105

110

&lt;210&gt; 7890

&lt;211&gt; 159

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (108)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (113)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7003

<222> (114)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (116)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (123)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (137)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (140)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (150)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (158)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7890  
 Ile Arg Gln Ser Xaa Pro Thr Arg Arg Arg Xaa Gly Trp Pro Leu Gly  
   1                  5                  10                  15  
  
 Leu His Pro Gly Pro Asp His Leu Leu Glu Gly Pro Gly Gly Ala Met  
           20                  25                  30  
  
 Pro Pro Arg Thr Gly Arg His Ser Leu Ser Gly Ala Gly Pro Glu Ser  
       35                  40                  45  
  
 Ala Ser Xaa Trp Trp Gly Glu Lys Ala Leu Xaa Pro Leu Ser Glu Leu  
   50                  55                  60  
  
 Val Glu Gly Lys Ile Val Cys Glu Arg Cys Cys Leu Pro Ser His Leu  
   65                  70                  75                  80  
  
 Leu Thr Glu Lys Pro Arg Met Val Glu Trp Asn Glu Ala Val Xaa Pro  
           85                  90                  95

## 7004

Met Pro Val Pro Pro Gly Gln Pro Ser Xaa Cys Xaa Trp Thr Arg Gly  
                   100                  105                  110

Xaa Xaa Leu Xaa Val Pro Trp Leu Trp Val Xaa Arg Ile Cys Ile Arg  
                   115                  120                  125

Ser Ile Arg Ala Leu Glu Asp Phe Xaa Phe Trp Xaa Lys Lys Lys Lys  
                   130                  135                  140

Lys Phe Gly Gly Ala Xaa Thr Ile Gly Leu Arg Gly Val Xaa Asn  
                   145                  150                  155

<210> 7891

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7891

Phe Gly Xaa Ser Ser Ile Lys Val Arg Gln Pro Lys Lys Lys Lys Lys  
           1                  5                  10                  15

Lys Xaa Xaa Gly Gly Gly Pro Val Pro His Leu Xaa  
                   20                  25

<210> 7892

<211> 141

## 7005

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (82)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (83)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (87)

## 7006

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7007

<220>  
<221> SITE  
<222> (112)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (115)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (118)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (125)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (127)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (128)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (129)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (131)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (132)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (134)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7008

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (135)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (137)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7892

Glu Leu Val Asp Pro Pro Gly Cys Arg Glu Phe Gly Xaa Gly Ser Cys  
 1 5 10 15

Leu Gly Leu Ser His Ala Ile Leu Val Ser Ser Phe Gly Thr Arg Glu  
 20 25 30

Gly Tyr Ser Gly Val Gly Leu Thr Phe Pro Pro Val Pro His Xaa Lys  
 35 40 45

Val Ser Tyr Gly His Arg Arg Xaa Arg Xaa His Xaa Ser Arg Glu Gly  
 50 55 60

Arg Gly Xaa Leu Trp Leu Xaa Phe Glu Leu Arg Leu Cys Leu Val Asn  
 65 70 75 80

Asn Xaa Xaa Asp Leu Asn Xaa Arg Ser Glu Val Xaa Gly Asn Xaa Leu  
 85 90 95

Xaa Val Thr Gly Xaa Xaa Leu Gly Xaa Xaa Xaa Pro Phe Xaa Xaa Xaa  
 100 105 110

Phe Pro Xaa Lys Gly Xaa Leu Val Phe Pro Arg Lys Xaa Pro Xaa Xaa  
 115 120 125

Xaa Leu Xaa Xaa Gly Xaa Xaa Pro Xaa Asn Gly Gly Ala  
 130 135 140

&lt;210&gt; 7893

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7009

<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7893  
Tyr Gly Xaa Xaa Glu Ile Val Glu Leu Lys Xaa Lys Phe Ser Leu Glu  
1 5 10 15  
Val Thr Glu Gly Ala Lys Ser Val Xaa Ile Xaa Lys Tyr Xaa Xaa Val  
20 25 30  
Val Ile Arg Ser Xaa Xaa Ser Leu Gly  
35 40



## 7010

<210> 7894  
<211> 130  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (76)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (85)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (91)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (92)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (93)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (96)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7011

<221> SITE  
<222> (99)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (100)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (101)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (104)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (107)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (108)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (111)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (112)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (113)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7012

&lt;222&gt; (115)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (119)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (120)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (122)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (129)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7894

Leu	Ala	Thr	Ser	Cys	Phe	Lys	Gln	Leu	Asp	Cys	Ala	Phe	Tyr	Phe	Phe
1				5					10					15	

Ser	Ser	Tyr	Xaa	Ile	Leu	Trp	Glu	Ala	Pro	Pro	Cys	Ala	Thr	Val	Ile
			20					25					30		

Ser	Pro	Gly	Cys	His	Leu	Xaa	Trp	Phe	Pro	Gly	Arg	Asp	Val	Xaa	Cys
		35					40					45			

Ser	Val	Val	Cys	Gly	Val	Pro	Ser	Asp	Phe	Leu	Val	His	Ile	Ala	Arg
	50					55					60				

Trp	Ser	Gly	Val	Trp	Gly	Thr	Arg	Thr	Gly	Trp	Xaa	Gly	Leu	Ser	Leu
65					70					75					80

Gly	Leu	Pro	Pro	Xaa	Lys	Ala	Gly	Ala	Gln	Xaa	Xaa	Xaa	Lys	Cys	Xaa
				85					90					95	

Leu	Pro	Xaa	Xaa	Xaa	Pro	Asn	Xaa	Asp	Arg	Xaa	Xaa	Ser	Xaa	Xaa	Xaa
			100					105					110		

Xaa	Leu	Xaa	Leu	Leu	Glu	Xaa	Xaa	Leu	Xaa	Ser	Ile	Arg	Leu	Leu	Gly
		115					120					125			

Xaa	Gly
	130

## 7013

<210> 7895

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7014

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (68)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (69)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7015

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (74)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (76)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (79)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (81)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (82)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (83)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (86)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7016

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7895

Gly	Trp	Gln	Gly	Gly	Ala	Gly	Arg	Val	Ala	Ile	Ser	Lys	Ala	Thr	Xaa
1				5					10					15	

Leu	His	Trp	Pro	Xaa	Leu	Xaa	Ser	Pro	Arg	Glu	Gly	Pro	Gly	Asp	Asp
			20					25					30		

Thr	Xaa	Trp	Gly	Leu	Xaa	Lys	Xaa	Ser	Gly	Ile	Ile	Tyr	Gly	Xaa	Ser
			35					40					45		

Xaa	Asp	Ser	Gln	Gly	Xaa	Val	Leu	Gly	Xaa	Leu	Xaa	Xaa	Trp	Xaa	Xaa
	50					55					60				

Xaa	Thr	Xaa	Xaa	Xaa	Gly	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Met	Xaa	Xaa	Arg
	65				70					75					80

Xaa	Xaa	Xaa	Gly	Ser	Xaa	Leu	Xaa	Met	Pro	Ser	Xaa	Leu	Gly	Val	Leu
				85					90					95	

Xaa Arg Lys

&lt;210&gt; 7896

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

## 7017

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7896

Val	Tyr	Ile	Pro	Leu	Ser	Trp	Pro	Leu	Xaa	Leu	Xaa	Trp	Thr	Lys	Arg
1				5					10					15	

Xaa	Gly	Thr	Lys	Ser	Asp	Leu	Xaa	Tyr	Gly	Ser	Ile	Trp	Ile	Lys	Thr
			20					25					30		

Asn	Gln	Gln	Val	Leu	Pro	Ser	Ser	Arg	Trp	Gly	Ser	Gln	Leu	Xaa	Ser
			35					40					45		

Xaa	Pro	Gln	Leu	Xaa	Phe	Leu	Gln	Gly	Ser	Gln	Leu	Arg	Thr	Asn
	50					55					60			

<210> 7897

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids



## 7018

&lt;400&gt; 7897

Met Ser Arg Thr Leu Thr Asn Gln Ser Phe Leu Leu Leu Trp Lys Gly  
 1 5 10 15

Ala Asn Lys Ala Met Gly Met Lys Ser Cys Met Cys Phe Ala Gln Cys  
 20 25 30

Gly Ala Ser Tyr Leu Cys Gly Arg Gly Gly Ile Gly Lys Asn Phe Ser  
 35 40 45

Gly Glu Gln Xaa Lys Lys Lys Lys Gly Arg Gly Gly Gly Gly  
 50 55 60

&lt;210&gt; 7898

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7898

Val Pro Met Leu Arg Leu Ser Ser Arg Pro Glu Glu Val Thr Asp Trp  
 1 5 10 15

Leu Gln Ala Glu Asn Phe Ser Thr Ala Thr Val Leu Asp Thr Trp Val  
 20 25 30

Pro Asp Gly Glu Pro Ala Tyr Phe Gly Ile Lys Thr Trp Gly Ala Thr  
 35 40 45

Asp Ala Tyr Val His Arg Arg Ala Pro Arg Asn Pro Val Pro Ala Gly  
 50 55 60

Gly Cys Ser Glu Gly Cys Trp Gly Ile Ser Pro  
 65 70 75

&lt;210&gt; 7899

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7019

<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)

## 7020

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7021

&lt;400&gt; 7899

Ser Gly Pro Pro Ile Leu Pro Arg Lys Val Asp Thr Xaa Ala Phe Lys  
1 5 10 15  
Thr Xaa Gln Xaa Val Xaa Ser Pro Phe Phe Xaa Xaa Xaa Ser Pro Ser  
20 25 30  
Ser Pro Xaa His Xaa Ser Gln Xaa Ser Xaa Leu Xaa Xaa Gln Leu Leu  
35 40 45  
Leu Xaa Ser Pro Thr Val Val Asn Cys Xaa Xaa Val Ser Pro Ser Xaa  
50 55 60  
Lys Ile Met Ser Ile Leu Gln Gly Leu Pro Gln Ile Leu Gly Asn Leu  
65 70 75 80  
Val Xaa Xaa Leu Gln Pro Gly Ala Val Val Arg Leu Xaa Xaa Leu Thr  
85 90 95  
His Trp Gly Xaa  
100

&lt;210&gt; 7900

&lt;211&gt; 140

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7022

<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7023

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

## 7024

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7900

Glu	Leu	Gly	Pro	Ala	Pro	Ala	Gly	Thr	Gln	Ser	Arg	Tyr	Gly	Glu	Gly
1				5					10					15	

Xaa	Xaa	Thr	Asp	Pro	Ile	Xaa	Xaa	Arg	Lys	Arg	Thr	Xaa	Ala	Asp	Lys
			20					25					30		

Glu	Gly	Pro	Trp	Xaa	Pro	Cys	Pro	Xaa	Lys	Asp	Pro	Leu	Xaa	Ala	Gly
		35					40					45			

Leu	Xaa	Gly	Ser	Trp	Pro	Ser	Gly	Thr	Xaa	Xaa	Gly	Tyr	Arg	Leu	Xaa
	50					55					60				

Tyr	Arg	Phe	Arg	Pro	Xaa	Pro	Xaa	Arg	Ser	Pro	Xaa	Xaa	Pro	Phe	Arg
65					70					75					80

Leu	Glu	Gln	Arg	Gly	Xaa	Lys	Gly	Gly	Gln	Xaa	Gly	Gly	Lys	Leu	Arg
				85					90					95	

## 7025

Xaa Xaa Ser Gly Pro Xaa Leu Gly Xaa Lys Leu Thr Thr Xaa Leu Xaa  
100 105 110

Phe Lys Arg Xaa Xaa Xaa Ile Pro Xaa Gly Asn Xaa Val Xaa Phe Pro  
115 120 125

Xaa Cys Ser Lys Thr Asn Leu Phe Phe Ile Tyr Phe  
130 135 140

<210> 7901

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids



## 7026

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7901

Ala Cys Xaa Ile Ile Leu Gly Xaa Ser Xaa Gly Thr Ala Trp Lys Lys  
1 5 10 15

Ile Arg Phe Pro Tyr Arg Ile Gly Pro Lys Arg Lys Leu Ile Leu Val  
20 25 30

Lys Phe Leu Xaa Leu Gly Xaa Ala Asp Ile Asn Pro His Leu Gly Cys  
35 40 45

Phe Ile Lys Leu Trp Leu Gln Gln Xaa Gly Leu Glu Phe Val Thr Val  
50 55 60

Xaa Val Pro Phe Gly Asn Phe Trp Ser Leu Phe Xaa Ser Val Asp Asn  
65 70 75 80

Ser Xaa Trp Xaa Ser  
85

&lt;210&gt; 7902

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7027

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7902  
 Xaa His Leu Phe Ser His Ser Met Asp Val Gln Leu Leu Ser Ser Xaa  
   1                  5                  10                  15  
 Gly Gln Ile Xaa Gly Ala Lys Leu Leu Ala Xaa Tyr Val Lys Leu Xaa  
           20                  25                  30

7028

His Xaa Xaa Ile Ser Xaa Asn Xaa Ser Pro Xaa Phe Val Xaa  
35 40 45

&lt;210&gt; 7903

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7029

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (74)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (77)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (79)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7903

## 7030

His Leu Glu Thr Leu Ser Xaa Ser Xaa Leu Arg Val Xaa Glu Tyr Ala  
1 5 10 15  
Leu Arg Thr Leu Tyr Pro Ser Gly Leu Gln Glu Lys Xaa Arg Xaa Leu  
20 25 30  
Pro Gly His Glu Gly Ser Xaa Leu Ser Arg Xaa Xaa Phe Xaa Xaa Xaa  
35 40 45  
Gln Val Lys Xaa Gln Val Val Ala Ser Asn Ser Leu Leu Leu Xaa Gln  
50 55 60  
Val Ala Val Ala Asn Ser Phe Ser Xaa Xaa Phe Leu Xaa Pro Xaa Xaa  
65 70 75 80  
Ser

<210> 7904

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7031

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (89)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7904

Gly Gly Lys Glu Gly Glu Tyr Thr Leu Leu Val Asn Ser Gly Tyr Ser  
1 5 10 15

Cys Ile Leu Ser Cys Leu Asp Ser Thr Gly Gly Phe Leu Ser Phe Phe  
20 25 30

Glu Ser Leu Leu Thr Leu Gly Met Arg Asp Arg Asn Arg Val Arg Glu  
35 40 45

Glu Val Xaa Phe Lys Cys Xaa Phe Phe Pro Xaa Xaa Thr Xaa Thr Gln  
50 55 60

Pro Tyr Phe Trp Asp Xaa Xaa Ile Pro Thr Phe Pro Leu Asp Leu Xaa  
65 70 75 80

Pro Lys Ile Xaa Gly Gly Thr Pro Xaa Asn Leu Xaa Pro  
85 90

&lt;210&gt; 7905

## 7032

<211> 91  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (69)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (74)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (81)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7033

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7905

Met	Leu	Leu	Gln	Ala	Ala	Lys	Ala	His	Ala	Cys	Cys	Trp	Xaa	Ser	Leu
1				5					10					15	

Cys	Xaa	Xaa	Xaa	Asp	Leu	Gly	Ala	Gly	Ala	Leu	Asn	Ala	Gly	Ser	Tyr
			20					25					30		

Ala	Ser	Leu	Gly	Lys	Arg	Thr	Asp	Tyr	Gly	Lys	Leu	Tyr	His	Val	Leu
		35					40					45			

Ser	Leu	Ile	Ser	Val	Lys	Thr	Ser	Ser	Tyr	Thr	Leu	Ile	Ile	Ser	Ile
	50					55					60				

His	Xaa	Xaa	Asn	Xaa	Arg	Leu	Val	Pro	Xaa	Gly	Leu	Lys	Lys	Ile	Leu
65					70					75					80

Xaa	Leu	Gly	Xaa	Gln	Asn	Phe	Trp	Gly	Xaa	Phe
				85					90	

&lt;210&gt; 7906

&lt;211&gt; 97

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE



## 7034

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

## 7035

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7036

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7906

Phe	Leu	Thr	Ser	Asp	Val	Ile	Ile	Tyr	Leu	Pro	Ala	Leu	Ile	Leu	Gly
1				5				10					15		

Val	Gln	Thr	Ala	Asn	Leu	Xaa	Phe	Xaa	Phe	Gln	Ala	Leu	Xaa	Arg	Leu
			20				25						30		

Gly	Xaa	Ser	Phe	His	Leu	Xaa	Phe	Arg	Arg	Thr	Gly	Xaa	Xaa	Pro	Ala
	35						40					45			

Val	Xaa	Xaa	Xaa	Xaa	Xaa	Gly	Ser	Arg	Val	Pro	Ala	Ser	Val	Xaa	Xaa
	50					55					60				

Pro	Ile	Xaa	Xaa	Phe	Arg	Xaa	Arg	Thr	Val	Xaa	Ser	Trp	Gly	Phe	Gly
65					70					75					80

Xaa	Gly	Arg	Val	Ser	Trp	Xaa	Phe	Gln	Arg	Xaa	Xaa	Xaa	Gly	Gly	Xaa
				85					90					95	

Xaa

&lt;210&gt; 7907

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7037

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7907

Thr	Ser	Xaa	Xaa	Ser	Leu	Xaa	Trp	Arg	Xaa	Gly	Cys	Phe	Ser	Leu	Cys
1				5					10					15	

Thr	Lys	Arg	Arg	Xaa	Xaa	Gly	Xaa	Gly	Val	Asn	Val	Asn	Phe	Ser	Thr
			20					25					30		

Leu	Cys	Leu	Asn	Val	Tyr	His	Leu	Thr	Asn	Ile	Ile	Lys	Glu	Thr	Xaa
		35					40					45			

Leu	Lys	Leu	Glu	Phe	Pro	Lys	His	Tyr	Ser	Gly	Cys	Xaa
	50					55					60	

&lt;210&gt; 7908

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 7038

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7908

Ile	Arg	His	Xaa	Xaa	Ser	Arg	Lys	Xaa	Leu	Xaa	Pro	Arg	Lys	Ser	Arg
1				5					10					15	

Cys Cys Pro

&lt;210&gt; 7909

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7039

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7909

Ser Gln Leu Leu Ser Leu Leu Ser Xaa Xaa Asp Gly His Leu Xaa Xaa  
 1 5 10 15

His Thr Thr Ala Asn Trp Leu Gly Val Val Gly Leu Ser Asn Asp Tyr  
 20 25 30

Leu Leu Met Ile Thr Tyr Glu Lys Gln Gln Gln Lys Ser His Leu Glu  
 35 40 45

Ala Ala Phe Asn Glu Arg Thr Asn Val Leu Pro Ser Asn Arg Ala Ala  
 50 55 60

Lys Ile Phe Leu Leu Leu Xaa Phe  
 65 70

&lt;210&gt; 7910

&lt;211&gt; 70

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7910

Phe Gly Xaa Gly Ile His Glu Val Gly Gln Gly Tyr Thr Asn Ala Lys  
 1 5 10 15

Leu Ser Cys Met Phe Phe Asn Arg Asn Cys Gly Thr Ser Xaa Ile Tyr  
 20 25 30

Leu Ile Asn Gly Asn Leu Leu Arg Glu Cys Phe Gly Asp Thr Trp Ala  
 35 40 45

Val Ser Ser Leu Cys Val Leu Gln Arg Phe Cys Leu Cys Asn Leu Phe  
 50 55 60

## 7040

Ile His Leu Val Ile Arg  
65 70

<210> 7911

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7041

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7911

Ser	Xaa	Asn	Leu	Xaa	Gly	Phe	Phe	Xaa	Phe	Gly	Gln	Lys	Ile	Ile	Lys
1				5				10					15		

Xaa	Phe	Phe	Phe	Xaa	Lys	Lys	Lys	Lys	Lys	Asn	Xaa	Gly	Gly	Gly	Xaa
			20				25						30		

Arg	Xaa	Pro	Phe	Gly	Pro	Xaa	Gly	Gly
		35					40	

&lt;210&gt; 7912

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7912

Pro	Asn	Gly	Leu	Gly	His	Gln	Ile	Leu	Ser	His	Ser	Val	His	Glu	Ser
1				5				10					15		

Ser	Ser	Pro	His	Thr	Ile	Ile	His	Ile	Tyr	Ser	Pro	Asn	Ser	Asn	Thr
			20					25					30		

Gly	Glu	Ser	Leu	Glu	His	Pro	Val	Leu	Ala	Leu	Trp	Glu	Arg	Gly	Arg
		35					40					45			

Trp	Arg	Ser	Gly	Cys	Met	Tyr	Leu	Asn	Asn	Thr	Asp	Pro	Val	Leu	Ser
		50				55				60					

Pro	Ser	Ala	Gly	Ile	Ser	Pro	Cys	Glu	Gly	Ala	Ala	Gly	His	Pro	Gly
		65			70					75					80

Ile

&lt;210&gt; 7913

&lt;211&gt; 126

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)



## 7042

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7043

<220>  
<221> SITE  
<222> (97)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (99)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (100)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (101)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (104)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (105)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (106)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (108)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (109)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7044

<220>  
 <221> SITE  
 <222> (113)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (114)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (115)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (117)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (118)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (119)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (122)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7913  
 Asn Ser Thr Arg Gly Asp Phe Tyr Asn Pro Val Val Pro Glu Val Gln  
       1                  5                  10                  15  
 Lys Arg Arg Met Gly Ala Xaa Pro Val Arg Gly Leu Gly Gly Xaa Gly  
                   20                  25                  30  
 Ala Ala Ala Ala Gly Gly Arg Ala Ala Leu Leu Leu Val Ser Pro Thr  
           35                  40                  45  
 Xaa Arg Arg Ser Thr Arg Pro Pro Arg Ser Ser Thr Pro Arg Arg Xaa  
       50                  55                  60  
 His Arg Pro Xaa Lys Pro Ala Xaa Ala Gln Leu Arg Pro Gln Asp Tyr  
       65                  70                  75                  80

## 7045

Val Xaa Arg Asp Arg Xaa Lys Val Asp Xaa Thr Thr Xaa Thr Xaa Ser  
                                     85                                    90                                    95

Xaa Asn Xaa Xaa Xaa Ile Gly Xaa Xaa Xaa Gly Xaa Xaa Xaa Ser Phe  
                                     100                                    105                                    110

Xaa Xaa Xaa Lys Xaa Xaa Xaa Trp Leu Xaa Lys Ser Ile Phe  
                                     115                                    120                                    125

<210> 7914

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7914

Ser Gly Lys His Cys Ile Met Phe Ala Leu Tyr Ser Phe Asn Gly Lys  
       1                                    5                                    10                                    15

Arg Lys Gly Lys Asn Thr Tyr Glu Lys Lys Ala Val Pro Trp His Cys  
                                     20                                    25                                    30

Leu Phe Ser Met Leu Cys Ala Val Asp Trp Gly His Phe Asn Tyr His  
                                     35                                    40                                    45

Val Gln Phe Tyr Gly Leu Phe Met Arg Ser Phe Phe Leu Thr Phe Ser  
                                     50                                    55                                    60

Trp Ile Ala Val Lys Gly Lys Tyr Arg Arg Ile Glu Glu Xaa Phe Ser  
       65                                    70                                    75                                    80

Xaa Arg Trp Ala Gly Thr Val Pro Pro Trp Ser Met Gly  
                                     85                                    90

<210> 7915

<211> 75

<212> PRT

<213> Homo sapiens

## 7046

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7915

Phe	Gly	Arg	Glu	Ala	Thr	Arg	Thr	Cys	Gln	Xaa	Trp	Xaa	Leu	Val	Ile
1				5					10				15		

Ser	Glu	Gly	Glu	Arg	Gly	Lys	Ser	Arg	Arg	Ala	Gly	Trp	Pro	Gly	Ala
			20					25					30		

Ser	Gly	Gln	Arg	Gly	Gln	Xaa	Phe	Arg	Val	Lys	Val	Phe	Arg	Met	Arg
		35					40					45			

Ala	Arg	Thr	Arg	Ser	Xaa	Leu	Arg	Val	Gly	Leu	Leu	Arg	Trp	Asn	Gly
		50				55					60				

Ala	Glu	Gly	His	Gly	Leu	Thr	Gly	Glu	Glu	Thr
	65				70					75

&lt;210&gt; 7916

&lt;211&gt; 109

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7047

<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (83)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (86)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (91)

## 7048

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7916

Leu	Cys	Xaa	Val	Gly	Gly	Arg	Gly	Gly	Trp	Arg	Lys	Lys	Trp	Ser	Glu
1				5					10					15	

Leu	Leu	Gly	Xaa	Arg	Ala	Lys	Gly	Pro	Glu	Xaa	Ile	Glu	Ile	Pro	Pro
			20					25						30	

Ser	Trp	Asn	Ala	Gly	Ile	Trp	Pro	Arg	Met	Xaa	Phe	Gly	Gln	Arg	Gly
			35					40					45		

Glu	Glu	Glu	Glu	Val	Ser	Pro	Asp	Ile	Pro	Ser	Leu	Ser	Ile	His	Leu
			50				55						60		

Leu	Thr	Xaa	Lys	Leu	Phe	Thr	Xaa	Xaa	Tyr	Xaa	Ala	Leu	Xaa	Asn	Phe
			65				70				75				80

Ser	Gln	Xaa	Pro	Phe	Xaa	Val	Thr	Phe	Arg	Xaa	Phe	Tyr	Pro	Pro	Phe
						85					90				95

## 7049

Asn Leu Xaa Xaa Phe Xaa Xaa Phe Leu Xaa Phe Lys Xaa  
100 105

<210> 7917

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7917



## 7050

Leu	Ser	Thr	Ala	Glu	Asp	Gln	Gly	Gly	Arg	Asn	Ser	Ser	Leu	Lys	Val
1				5					10					15	
Ala	Leu	Ser	Gly	Pro	Trp	Pro	Gly	Arg	Pro	Xaa	Ala	Phe	Leu	Val	Gly
			20					25					30		
Thr	Thr	Arg	Gly	Gln	Xaa	His	Met	Val	Leu	Pro	Phe	His	Leu	Cys	Trp
		35					40					45			
Pro	Pro	Pro	Gly	Gly	Ile	Xaa	Pro	Leu	Thr	Pro	Met	Leu	Glu	Gly	Gly
		50				55					60				
Ser	Val	Asn	Gly	Arg	Gly	Thr	Leu	Xaa	Ile	Xaa	Xaa	Leu	Lys	Gly	Xaa
65					70					75					80
Leu	Gly	Lys	Val	Xaa	Arg	Asn									
				85											

&lt;210&gt; 7918

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7052

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7920  
 Glu Val Ser Ile Ser Val Leu Pro Glu Phe Phe Pro Ser Ser Glu Asp  
     1                    5                    10                    15  
 Val Thr Asp Xaa Leu Leu Glu Leu Xaa Met Arg Xaa Lys Glu Trp Xaa  
                     20                    25                    30  
 Leu Lys Ala Phe Gly Leu Lys Xaa Val Xaa Asn Lys Ile Val Ser Gly  
                     35                    40                    45  
 Phe Tyr Ser Lys Lys Lys Lys Lys Ile Trp Gly Gly Gly Pro  
     50                    55                    60

<210> 7921  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

7054

&lt;210&gt; 7923

&lt;211&gt; 70

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7923

Cys	Gln	Glu	Cys	Arg	Leu	Val	Tyr	Val	Pro	Gly	Gly	Gly	Thr	Gln	Arg
1				5					10					15	

Gly	Ala	Pro	Gly	Phe	Pro	Cys	Pro	Pro	Ala	Ala	Leu	Pro	Leu	Phe	Pro
			20					25					30		

Phe	Phe	Pro	Asp	Xaa	Arg	Pro	Glu	Pro	Val	Pro	Xaa	Leu	Xaa	Ile	Asn
			35				40				45				

Leu	Cys	Glu	Ile	Lys	Lys	Lys	Lys	Lys	Lys	Asn	Ser	Gly	Gly	Gly	Pro
	50					55					60				

Val	Pro	Xaa	Trp	Ala	Leu
65					70

&lt;210&gt; 7924

&lt;211&gt; 145

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 7055

<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)

## 7056

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7924

Xaa	Pro	Thr	Leu	Tyr	Thr	Ala	Ala	Cys	Arg	His	Gly	Pro	Ala	Phe	Pro
1				5					10					15	

Xaa	Ser	Tyr	Val	Pro	Pro	Arg	Arg	Cys	Thr	Cys	Arg	Thr	Leu	Ile	Arg
			20					25					30		

Xaa	Asp	Trp	Xaa	Ser	Phe	Trp	Xaa	Leu	Phe	Xaa	Xaa	Trp	Val	Cys	Xaa
			35					40						45	

## 7057

Xaa Cys Xaa Val Leu Val Phe Cys Xaa Ser Leu Xaa Cys Xaa Leu His  
 50 55 60  
 His Asn Ala Asn Leu Xaa Xaa Leu Gln Ile Ser Met Lys Pro Ala His  
 65 70 75 80  
 Ser Ala Val Cys Pro Gly His Leu Ala Ser Cys Arg Thr Lys Arg Xaa  
 85 90 95  
 Cys Thr Pro Leu Arg Ala His Val Val Gly Ala Leu Pro Trp Gln Val  
 100 105 110  
 Xaa Leu Cys Ser Glu Ala Ile Ser Gly Thr Gly Pro Thr Arg Pro Gln  
 115 120 125  
 Pro Ser Arg Thr Gly Leu Thr Leu Leu Xaa His Pro Gly Cys Xaa Ser  
 130 135 140  
 Val  
 145

&lt;210&gt; 7925

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7925

Met Xaa Leu Ser Ile Thr Lys Ile Thr Gly Tyr Tyr Leu Gln Asp Ile  
 1 5 10 15

Lys Lys His Leu Lys Lys Arg Lys Arg Thr Ile Ser Val  
 20 25

&lt;210&gt; 7926

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

## 7058

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7926

Asp	Ile	Lys	Ile	Tyr	Ile	Asp	Tyr	Ile	Leu	Lys	Leu	Leu	Asn	Ala	Leu
1					5				10					15	

Ile	Leu	Ala	Thr	Xaa	Xaa	Glu	Ile	Val	Asn	Ser	Phe	Thr	Glu	Ile	Asn
			20					25					30		

Ser	Thr	Asp	Arg	Cys	Arg	Xaa	Arg	Ser	Xaa	Gly	Ser	Arg	Xaa	Val	Phe
		35					40					45			

Ala	Leu	His	Thr	Glu	Trp	Xaa
	50					55

<210> 7927

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7059

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (81)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (92)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (101)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7927  
 Ala Arg Gly Glu Ala Ser Xaa Pro Ala Leu Gln Val Arg Gly Trp Arg  
   1                  5                  10                  15

Arg Pro Gly Phe Leu Pro Pro Gly Asp Gly Thr Gly Pro Gly Pro Ala



7060

[illegible]

<210> 7928

<211> 50

<212> PRT

<213> Homo sapiens

**<220>**

<221> SITE

&lt;222&gt; (17)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7928

Ala Glu Val Gln Met Thr Thr Phe Lys Glu Glu Pro Ser Ala Pro Ala  
1 5 10 15

Xaa Gln Asp Glu Lys Leu Ser His Leu Ala Leu Ile Leu Pro Gln Glu  
20 25 30

Leu Xaa Gln Asp Gln Val Xaa Thr Gly Ser Ala Thr Leu Gln Lys Met  
35 40 45

Ser Ser  
50

## 7061

&lt;210&gt; 7929

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7929

Gln Tyr His Ser Asn Ile Ile Trp Ile Arg Ala Phe Ile Leu Gly Arg  
1 5 10 15

Lys Thr Val Val Ile Thr Gly Ile Leu Leu Asn Leu Lys Leu Cys Arg  
20 25 30

Lys Gln Thr Lys Leu Phe Leu Gly Glu Asn Gln Leu Leu Asp  
35 40 45

&lt;210&gt; 7930

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7062

<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7063

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7930

Pro	Ala	Arg	Lys	Ala	Gln	Ser	Ile	Leu	His	Ser	Xaa	Cys	Phe	Pro	Val
1				5					10					15	

Leu	Xaa	Leu	Xaa	Xaa	Arg	Xaa	Met	Gly	Val	Pro	Xaa	Lys	Thr	Phe	Ala
			20					25					30		

Val	Xaa	Pro	Xaa	Phe	Xaa	Xaa	Xaa	Phe	Xaa	Xaa	Lys	Phe	Asp	Arg	Leu
		35					40					45			

Asn	Tyr	Cys	Xaa	His	Ser	Leu	Phe	Leu	Gly	Leu	Xaa	Xaa	Xaa	Xaa	Gly
	50					55					60				

Asn	Xaa	Xaa	Arg	Ala	Asp	Ala	Xaa	Leu	Phe
65								70	

&lt;210&gt; 7931

&lt;211&gt; 136

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7064

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (103)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7931

Arg	Ile	Lys	Asp	Gly	Ser	Asp	Tyr	Leu	Lys	Arg	Asn	Leu	Ile	Ile	Ser
1				5					10					15	

His	Asn	Gly	Asn	Arg	Lys	Lys	Lys	Thr	His	Asn	Thr	Phe	Xaa	Arg	Ser
			20					25					30		

Gly	Lys	Thr	Lys	Glu	Ser	Arg	Phe	Arg	Leu	Pro	Lys	Glu	Gly	Pro	Leu
		35					40					45			

Arg	Ser	Tyr	Leu	His	Glu	Ala	Xaa	Arg	Leu	Val	Pro	Glu	Arg	Thr	Ser
	50					55					60				

Val	Gln	Val	Trp	Glu	Phe	Pro	Trp	Glu	Leu	Ala	Pro	Ser	His	Ser	Pro
65					70					75				80	

Pro	Gln	Leu	Arg	Ser	Leu	Xaa	Gly	Leu	Pro	Leu	Leu	Gly	Ser	Ile	Ile
				85					90					95	

Leu	Asp	Lys	Pro	His	Cys	Xaa	Glu	Asn	Pro	Trp	Gly	Asp	Thr	Gly	Leu
			100					105					110		

Ala	Phe	Pro	Ala	Glu	Gly	Gln	Cys	Leu	Lys	Arg	Asn	Trp	Gly	Ser	Pro
		115					120					125			

Arg	Asp	Gln	Ile	Arg	Leu	Arg	Trp
	130					135	

&lt;210&gt; 7932

## 7065

<211> 150  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (82)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (97)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (106)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (109)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (141)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (143)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (148)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7932  
Arg His Leu Thr Arg Arg Cys Gly Leu Leu His Ala Xaa Val Arg Arg

## 7066

1                      5                      10                      15  
 Pro Leu Tyr Gly Phe Ser Ile Leu Val Glu Ile Leu Ser Pro Trp Pro  
                          20                                      25                                      30  
 Phe Gly Val Pro Cys Cys Ile Ser Glu Val Asn Phe Asn Tyr Ser Thr  
                          35                                      40                                      45  
 Phe His Gln Cys Trp Ser Gly Lys Lys Lys Glu Glu Gln Ile Trp Gly  
                          50                                      55                                      60  
 Glu Lys Phe Cys Phe Leu Gly Leu Thr Asn Cys Lys Met Xaa Lys Ile  
                          65                                      70                                      75                                      80  
 Ala Xaa Met Gly Glu Lys Lys Thr Arg Ala Leu Trp Thr Phe Ala Lys  
    85                                      90                                      95  
 Xaa Phe Ser Arg Ile Thr Cys Phe Ser Xaa Pro His Xaa Val Thr Leu  
    100                                      105                                      110  
 Ile Ser Gly Ser Ser Tyr Val Gly Asp Lys Arg Ser Thr Gly Ser Ser  
    115                                      120                                      125  
 Gly Met Leu Glu Gln Met Val Asp Gln Asn Gly Leu Xaa His Xaa Ser  
    130                                      135                                      140  
 Val Glu Val Xaa Leu Asp  
    145                                      150

&lt;210&gt; 7933

&lt;211&gt; 117

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7933

Asn Trp Val Glu Asp Ser Ser Cys Cys Leu Asn Asn Ala Leu Thr Pro  
                          1                                      5                                      10                                      15  
 Phe Ser Pro Gln Lys Gly Pro Thr Phe Leu Lys Leu Phe Ser Ala Pro  
    20                                      25                                      30  
 Pro His Leu Leu Thr Cys Asn Thr Cys His Asn Arg Lys Pro Val Ser  
    35                                      40                                      45  
 Tyr Thr Val Ile Pro Lys His Ile Ala Pro Thr Arg Gly Glu Arg Glu  
    50                                      55                                      60  
 Gly Leu Ser Glu Glu Arg Gly Gly Gln Ala Phe Gln Lys Leu Glu Gly  
    65                                      70                                      75                                      80

7067

Leu Ser Thr Glu Pro Leu Pro Arg Trp Gly Val Pro Thr Pro Lys Pro  
                     85                    90                    95

Arg Ile Gln Lys Pro Glu Ser Thr Ser Arg His Ser Trp Phe Pro Phe  
                     100                    105                    110

Ser Cys Ser Cys Trp  
                     115

&lt;210&gt; 7934

&lt;211&gt; 113

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (96)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (113)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7934

Gly Ala Ser Xaa Val Ala Leu Glu Gly Trp Leu Gly Gln His Gly Pro  
     1                    5                    10                    15

Val Ala Asn Pro Leu Phe Trp Cys Val Cys Val Cys His Leu Pro Met  
                     20                    25                    30

Leu Val Ser Ala Pro Arg Arg Thr Trp Arg Gly Pro Gly Arg Lys Cys  
                     35                    40                    45

Ser Gly Gly Trp Val Ala Gly Pro Asp Gln Ser Ser Val Leu Leu Gly  
                     50                    55                    60

Asn Trp Cys Trp Arg Ala Arg Ser Glu Glu Ala Glu Gly Val Ala Pro  
     65                    70                    75                    80

Gly Tyr Glu Gly Val Ser Gly Cys Ser Ser Cys Ser Leu Gly Cys Xaa  
                     85                    90                    95



## 7068

Trp Trp Pro Ser Ala Gly Gly Trp Ser Thr Pro Thr Lys Ala Thr Ser  
                   100                  105                  110

Xaa

<210> 7935

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7935

Gly Glu Asn Cys Ile Xaa Glu Thr His Asn Val Arg Ile Leu Asp Phe  
       1                  5                  10                  15

Tyr Xaa Gln Ile Ile Leu Ser Cys Thr Glu Trp Lys Thr Val Tyr Leu  
                   20                  25                  30

Tyr Ile Asn Xaa Cys Xaa Asp Tyr Glu Ser Phe Asn Pro Tyr Pro Leu  
           35                  40                  45

Phe Leu  
       50

<210> 7936

<211> 49

<212> PRT

7069

&lt;213&gt; Homo sapiens

&lt;400&gt; 7936

Leu Leu His Leu Ile Phe Asn Ile Asp Ile Lys Met Gln Met Asn Gln  
 1 5 10 15

Ser Phe Cys Asn Glu Asn His Phe Arg Arg Asn Ile Ser Asp Pro Thr  
 20 25 30

Pro Ser Pro Pro Ala Cys Arg Met Arg Pro Glu Ile Asn Ser Val Ser  
 35 40 45

Val

&lt;210&gt; 7937

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7937

Arg Ser His Phe Thr Lys Ala Lys Lys His Val Met Ile Tyr Pro Leu  
 1 5 10 15

Leu Lys Leu Ile Ser Pro Phe Ala Cys Ile Gly His Arg Phe His Gly  
 20 25 30

Lys Ser Lys Ala Phe Ser Leu Leu Ser Asp Ile Phe Ile Xaa Ser Leu  
 35 40 45

Asn Tyr Leu Asn Lys Lys Lys Leu Leu Pro Leu Cys Arg Val Lys  
 50 55 60

&lt;210&gt; 7938

&lt;211&gt; 153

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7070

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (105)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (124)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (143)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (148)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7071

&lt;400&gt; 7938

Xaa Thr Pro Xaa Ser Gln Xaa Arg Arg Gln Cys Leu Lys Asp Ile Xaa  
 1 5 10 15  
 Xaa Phe Leu Leu Leu Cys Asn Val Ile Leu Trp Ile Met Pro Ala Phe  
 20 25 30  
 Gly Ala Arg Pro His Phe Ser Asn Thr Val Glu Val Asp Phe Tyr Gly  
 35 40 45  
 Tyr Ser Leu Trp Ala Val Ile Ser Xaa His Leu Pro Pro Phe Arg His  
 50 55 60  
 Leu Leu Pro His Ala Arg Cys Val Gln Pro Ala Gly Gly Leu Arg Ala  
 65 70 75 80  
 Val Leu Arg Pro Pro Thr Glu Ala Trp Gly Ala Gly Arg Gly Gly Ser  
 85 90 95  
 Ala His Val Pro Thr Gln Thr Pro Xaa Gly Asn Glu Ser Xaa Leu Val  
 100 105 110  
 Pro Tyr Asp Ser Pro Phe Pro Ser Gly Pro Lys Xaa Glu Phe Ser Gln  
 115 120 125  
 Lys Leu Phe Phe Gln Val Gln Phe Leu Asn His Ser Gln Asp Xaa Pro  
 130 135 140  
 Ile His Pro Xaa Ile Asn Val Gly His  
 145 150

&lt;210&gt; 7939

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

## 7072

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7939

Gly	Leu	Val	Leu	Asp	Arg	Glu	Arg	Thr	Xaa	Xaa	Xaa	Trp	Lys	Tyr	Phe
1				5					10					15	

Glu	Xaa	Val	Ser	Ala
			20	

<210> 7940

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7940

Leu	Trp	Ala	Arg	Gly	Xaa	Gly	Gly	Pro	Gly	Ala	Gly	Ala	Leu	Ser	Ser
1				5				10					15		

Xaa	Leu	Xaa	Ser	Ala	Arg	Ile	Xaa	Ile	Trp	Asn	Met	Leu	Leu	Ser	Tyr
			20				25						30		

Leu

## 7073

&lt;210&gt; 7941

&lt;211&gt; 120

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7941

Val	Ile	Asp	Thr	Leu	Ser	Asn	Pro	Gly	Ser	His	Thr	Pro	Ser	Gln	Val
1				5				10					15		

Phe	Pro	Arg	Glu	Gln	Gln	Gln	Ile	His	Gly	Leu	Ile	Ser	Val	Leu	Val
			20				25						30		

Ala	Leu	Cys	Ser	Ser	Ser	Gly	Leu	Glu	Asp	Arg	Tyr	Ser	Trp	Thr	Glu
		35				40						45			

Leu	Leu	Lys	Thr	Phe	Gln	Asn	Thr	Pro	Ser	Pro	Cys	Pro	Ala	Leu	Pro
	50					55					60				

Leu	Gly	Ser	Thr	Gly	Thr	Pro	Val	Gly	Trp	His	Asn	Ile	Val	Tyr	Pro
65					70					75					80

Cys	Arg	Ser	Arg	Ala	Gly	Ile	Phe	Thr	Ser	Val	Xaa	Lys	Gly	Leu	Cys
				85					90					95	

Gln	Gly	Gln	Ser	Arg	Trp	Ser	Pro	Leu	Pro	Ala	Leu	Ser	His	Ile	Arg
			100					105					110		

Val	Leu	Ala	Phe	His	Cys	Asp	Val
		115				120	

&lt;210&gt; 7942

&lt;211&gt; 128

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7074

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (99)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (120)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (121)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (122)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7942

Xaa	Leu	Glu	His	Met	Xaa	Xaa	Xaa	Arg	Pro	Ala	Ser	Lys	Cys	Leu	Gly
1				5				10						15	

Thr	Arg	Lys	Thr	Val	Thr	Ser	Gly	Thr	Leu	Phe	Lys	Cys	Leu	Leu	Phe
			20					25					30		

Leu	Gln	His	Arg	Leu	Gly	Lys	Ser	Cys	Gln	Asp	Glu	Lys	Glu	Ser	Trp
			35					40					45		

Arg	Phe	Phe	Lys	Ser	Leu	Phe	Ala	Leu	Leu	Tyr	Phe	Gln	Val	Pro	Lys
			50				55					60			

Leu	Gly	Leu	Phe	Phe	Phe	Ser	Phe	Asn	Leu	Glu	Gly	Leu	Pro	Leu	Gly
	65					70				75					80

Gly	Ile	Gly	Trp	Gly	Gln	Ala	Lys	Ala	Pro	Leu	Gly	Thr	Ser	Pro	Arg
				85						90					95

## 7075

Lys Met Xaa Leu Lys Gly Val Pro Phe Phe Pro Lys Gly Gly Ser Phe  
                   100                  105                  110

Pro Leu Gly Gly Ser Gln Gly Xaa Xaa Xaa Arg Gly Pro Tyr Phe Pro  
                   115                  120                  125

<210> 7943

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7943

Ser Thr Xaa Lys Xaa Gly His Ser Val Glu Lys Ile Gly His Ser Cys  
       1                  5                  10                  15



## 7076

Thr His Xaa His Xaa His Phe Asp His Val Val Leu Asn Lys Ser Thr  
                   20                  25                  30

Asp His Asn Glu Thr Leu Arg Xaa Ser Xaa Arg Leu Pro Leu  
           35                  40                  45

<210> 7944

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7944

Ile Gly Lys Pro Leu His Thr Cys Val Pro Val Glu His Phe His His  
   1                  5                  10                  15

Leu Gln Phe Phe Leu Asn Ile Ser Thr Val Leu Asn Thr Cys Glu Gln  
           20                  25                  30

Val Thr Trp Glu Phe Xaa His Gly Arg Val Ser Ser Lys Glu Glu Ser  
           35                  40                  45

Ser Arg Ser Ser Trp Val Thr His Tyr Gln Leu  
       50                  55

<210> 7945

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

## 7077

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7945

Ala	Leu	Xaa	Asp	Pro	Ser	Leu	Arg	Thr	Ile	Val	Xaa	Tyr	Trp	Tyr	Ile
1				5					10					15	

Trp	Phe	Tyr	Met	Arg	Thr	Leu	Asn	Xaa	Tyr	Tyr	Xaa	Ala	Ser	Lys	Ile
			20					25					30		

Tyr Lys

<210> 7946

<211> 31

<212> PRT

<213> Homo sapiens

<400> 7946

Gln	Cys	Gly	Gly	Lys	Glu	Val	Arg	Pro	Gly	Met	Glu	Lys	Gly	Gly	Val
1				5					10					15	

Ser	Glu	Ile	Ser	Gly	Gly	Cys	Arg	Gly	Pro	Ala	Met	Leu	Lys	Val
			20					25					30	

<210> 7947

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

## 7078

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7947

Xaa	Xaa	Lys	Xaa	Leu	Xaa	Arg	Thr	Gly	Ile	Ile	Lys	Thr	Val	Thr	Glu
1				5					10					15	

Pro	Leu	Tyr	Glu	Val	Lys	Arg	Asn	Met	Ile	Thr
			20					25		

<210> 7948

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7948

Ser	Xaa	Tyr	Trp	Ile	Leu	Phe	Gly	Met	Ser	Ile	Lys	Val	Tyr	Xaa	Tyr
1				5					10					15	

Val	Xaa	Thr	Asp	Leu	Arg	Lys	Lys
				20			

<210> 7949

<211> 34

<212> PRT

<213> Homo sapiens

<220>

7079

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7949

Tyr	Gln	Glu	Asp	Val	Met	Ile	Asn	Xaa	Pro	Ile	Pro	Met	Pro	Cys	Asp
1				5					10					15	

Tyr	Ser	Thr	Met	Thr	Asp	Tyr	Ala	Leu	Leu	Met	Xaa	Xaa	Ala	Xaa	Ser
			20					25						30	

Leu Trp

&lt;210&gt; 7950

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7950

Asn	Leu	His	Arg	Asn	Val	Cys	Lys	Ile	Cys	Ile	Cys	Ile	Ile	Leu	Ala
1				5				10						15	

Ser	Ile	Cys	Tyr	Pro	Pro	Ser	Cys	Thr	Gln	Lys	Ser	Phe	Pro	Pro	Tyr
			20					25					30		

Val	Ile	Ser	Asn	Xaa	Gln	Val	Gln	Ile	Lys	Ser	Ser	Cys	Lys	Leu	Trp
			35				40					45			

## 7080

Phe Ser Phe Ser  
50

<210> 7951

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7951

Gly	Glu	Arg	Phe	Cys	Leu	Tyr	Phe	Xaa	Xaa	Ser	Ser	Xaa	Ser	Gly	Xaa
1				5				10					15		

Ile

<210> 7952

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 7082

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7954

Gly	Xaa	Ser	Lys	Gly	Arg	Ala	Ser	Ser	Ser	Gly	Asn	Gln	Glu	Ser	Ser
1				5					10					15	

Gly	Gln	Ser	Cys	Ile	Ile	Leu	Leu	Phe	Asp	Val	Ile	Lys	Ser	Ala	Ile
			20					25						30	

Arg	Tyr	Glu	Lys	Thr	Ile	Ser	Glu	Ala	Trp	Ile	Lys	Ala	Ile	Glu	Asn
			35					40						45	

Thr	Ala	Ser	Val	Ser	Glu	His	Lys	Val	Cys	Ile	Xaa	Phe	Ile	Xaa	Ile
			50				55				60				

Phe	Asn	Asp	Cys	Ile	Leu	Val
65					70	

<210> 7955

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

7083

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7955

Asp	Asp	Ile	Ala	Gly	Val	Asp	Lys	Thr	Ala	Cys	Xaa	Arg	Gln	Glu	Asp
1				5				10					15		

Gly	Glu	Lys	Lys	Phe	Ser	Lys	Ala	Gly	Met	Gly	Lys	Cys	Xaa	Pro	Gly
		20						25					30		

Leu	Asn	Xaa	Lys	Gly	Leu	Tyr	Gln	Pro	Gln	Xaa	Arg	Xaa	Trp	Thr	Leu
		35					40					45			

Cys

&lt;210&gt; 7956

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7956

Phe	Asp	Ser	Arg	Val	Glu	Pro	Val	His	Ala	Val	Phe	Ile	Phe	Tyr	Leu
1				5				10					15		

Arg	Ile	Val	Glu	Tyr	Val	Thr	Asn	Val	Ser	Ser	Ala	Arg	Leu	Ala	Ser
		20						25					30		

Arg	Leu	Pro	Val	Glu	Xaa	Gln	Ile	Xaa	Gly	Met	Asn	Val	Asn
		35					40					45	

## 7084

<210> 7957

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7957

Ser Cys Arg Ile Arg His Glu Gly Ser Glu Ala Pro Ala Ser Gly Cys

1

5

10

15

Asn Gly Ala Leu Xaa Asn Asn Gln Arg Glu Ala Xaa Ala Asn Xaa

20

25

30

<210> 7958

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE



## 7085

&lt;222&gt; (117)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (122)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7958

Gly	Asn	Ser	Glu	Tyr	Leu	Gln	Leu	Ala	Ser	Val	Thr	Asp	Ser	Thr	Gln
1					5				10					15	

Val	Asn	Val	Pro	Arg	Cys	Leu	His	Phe	Ser	Gly	Val	Gly	Lys	Val	Arg
			20					25					30		

Gln	Ala	Ala	Cys	Gly	Gly	Thr	Gly	Cys	Ala	Val	Leu	Asn	Gly	Xaa	Gly
		35					40						45		

His	Val	Phe	Val	Trp	Gly	Tyr	Gly	Ile	Leu	Gly	Lys	Gly	Pro	Asn	Leu
	50					55					60				

Val	Glu	Ser	Ala	Val	Pro	Glu	Met	Ile	Pro	Pro	Thr	Leu	Phe	Gly	Leu
	65				70					75					80

Thr	Glu	Phe	Asn	Pro	Xaa	Ile	Gln	Val	Ser	Arg	Ile	Arg	Cys	Gly	Leu
				85					90					95	

Ser	His	Phe	Ala	Ala	Leu	Thr	Asn	Lys	Gly	Glu	Leu	Phe	Val	Trp	Gly
			100					105					110		

Lys	Asn	Ile	Xaa	Xaa	Val	Pro	Gly	Asn	Xaa	Phe	Ala	Leu	Lys	Asp	
		115					120					125			

&lt;210&gt; 7959

&lt;211&gt; 133

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (112)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7086

&lt;221&gt; SITE

&lt;222&gt; (113)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (114)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (123)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (129)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7959

Ala	Thr	Ser	Gln	Pro	Arg	Arg	Arg	Pro	Lys	Arg	Gly	Ala	Arg	His	Gln
1				5					10					15	

Ser	Pro	Arg	Cys	Leu	Ser	Pro	Gly	Gly	Ala	Pro	Glu	Arg	Phe	Leu	Ser
			20					25					30		

Gln	Gln	Ser	His	Ser	Ala	Cys	Ala	Cys	Leu	Ser	Val	Ser	Pro	Thr	Leu
		35					40						45		

Arg	Trp	Lys	Lys	Asn	Phe	Pro	Arg	Ala	Gly	Arg	Thr	Ala	Ala	Pro	Pro
	50					55					60				

Leu	Ser	Asp	Ser	Gly	Ser	Phe	Gly	Cys	Ser	Xaa	Leu	Cys	Ala	Pro	Phe
65					70					75					80

Gln	Arg	Ile	Ile	Glu	Ile	Val	Asn	Phe	Asn	Asn	Pro	Glu	Gln	Ala	Asn
				85					90					95	

Glu	Ala	Leu	Leu	Ser	Arg	Pro	Glu	Leu	Lys	Leu	Pro	Arg	Ser	Val	Xaa
		100						105					110		

Xaa	Xaa	Glu	Arg	Cys	Leu	Leu	Gly	Leu	Gln	Xaa	Ser	Glu	Leu	Cys	Pro
		115					120						125		

Xaa	Gly	Ser	Glu	Gly
	130			

&lt;210&gt; 7960

&lt;211&gt; 58

7087

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7960

Val Thr Met Ala Xaa Ala Asn Gly Ala Arg Gly Lys Thr Gly Xaa Arg

1

5

10

15

## 7088

Thr Gly Asn Pro Pro Xaa Leu Pro Xaa Pro Ile Leu Asn Leu Glu Val  
                   20                  25                  30

Lys Phe Thr Xaa Ile Phe Ile Ile Asn Gly Xaa Ala Arg Xaa Pro Xaa  
                   35                  40                  45

Leu Gly Lys Lys Phe Ala Thr Xaa Asn Pro  
           50                  55

<210> 7961

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7089

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (132)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (135)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (138)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7961

Pro Asp Pro Glu His Arg Pro Asp Ile Phe Gln Val Ser Tyr Phe Ala  
 1 5 10 15

Phe Lys Phe Ala Lys Lys Asp Cys Pro Val Ser Asn Ile Asn Asn Ser  
 20 25 30

Ser Ile Pro Ser Ala Leu Pro Glu Pro Met Thr Ala Ser Glu Ala Xaa  
 35 40 45

Ala Arg Lys Ser Gln Ile Lys Ala Arg Ile Thr Asp Thr Ile Gly Pro  
 50 55 60

Thr Glu Thr Ser Ile Ala Pro Arg Gln Xaa Pro Lys Ala Asn Ser Ala  
 65 70 75 80

Thr Thr Ala Thr Pro Xaa Val Leu Thr Ile Gln Ser Ser Ala Thr Pro  
 85 90 95

Val Lys Xaa Leu Ala Pro Xaa Glu Phe Xaa Asn His Arg Pro Lys Gly  
 100 105 110

Ala Leu Arg Pro Gly Asn Gly Pro Glu Ile Leu Leu Gly Gln Gly Pro  
 115 120 125

Pro Gln Xaa Xaa Ala Gln Xaa His Arg Xaa Leu Gln  
 130 135 140

&lt;210&gt; 7962

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7090

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7962  
Xaa Gly Arg Ala Phe Pro Arg Glu Gly Arg Xaa Xaa Ser His Ala Tyr  
1 5 10 15

Xaa Arg Ser Phe Cys Xaa Gly Arg Thr Asp Val Pro Gly Ser Ser Pro  
20 25 30

## 7091

Cys Arg Asn His Xaa Ala Leu Arg Thr Pro Phe Thr Val Tyr Leu Xaa  
                   35                                  40                                  45

Tyr Ile Xaa Xaa Cys Lys Thr  
           50                                  55

<210> 7963

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7963

Arg Gly Glu Thr Arg Glu Met Ala Gly Asn Leu Leu Ser Gly Ala Gly  
       1                                  5                                  10                                  15

Arg Arg Leu Trp Asp Trp Val Pro Leu Ala Cys Arg Ser Phe Ser Leu  
                   20                                  25                                  30

Gly Val Pro Arg Leu Ile Gly Ile Arg Leu Thr Leu Pro Pro Lys  
           35                                  40                                  45

Val Val Asp Arg Trp Asn Glu Lys Arg Ala Met Phe Xaa Xaa Tyr Asp  
       50                                  55                                  60

Asn Ile Gly Ile Leu Gly Asn Phe Glu Lys His Pro Lys Glu Leu Ile  
       65                                  70                                  75                                  80

Arg Gly Pro Ile Trp Leu Arg Gly Trp Lys Gly Asn Glu Leu Gln Arg  
                   85                                  90                                  95

Cys Ile Pro Lys Arg Lys Met Xaa Gly Lys  
           100                                  105

## 7092

&lt;210&gt; 7964

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7964

Phe	Leu	Ser	Phe	Gln	Gly	Cys	Pro	Val	Gln	Leu	His	Lys	Thr	Ser	Cys
1				5					10					15	

Ile	Leu	Gly	Ile	Ser	Tyr	Leu	His	Leu	His	Tyr	Tyr	Leu	Pro	Met	Cys
			20					25					30		

Cys	Leu	Xaa	Lys	Trp	Val	Tyr	Ser	Ala	Thr	His	Leu	Val	Ser	Pro	Gln
		35					40					45			

Cys	Ser	Thr	Gln	Cys	Val	Ser	Leu	Ile	Lys	Leu	Ala	Leu	Leu	Pro	Cys
	50					55					60				

Gln	Tyr	Tyr	Ile	Gln	Xaa	Xaa	Trp	Ser	Leu	Ala	Xaa	Trp	Gln	Xaa
65					70					75				

&lt;210&gt; 7965



## 7093

<211> 126  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (76)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (85)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (89)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7094

<222> (90)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (92)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (93)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (95)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (102)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (107)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (108)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (109)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (112)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (113)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (116)

## 7095

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7965

Ser	Lys	Cys	Lys	His	His	Arg	Asp	Pro	Phe	Tyr	Thr	Glu	Gln	Asp	Cys
1				5					10					15	

Thr	Ala	Ser	Cys	Ala	Thr	Pro	Ser	Phe	Ser	Ile	Ser	Thr	Pro	Ser	Ser
			20					25					30		

Asn	Ser	Lys	Ser	Arg	Thr	Thr	Asp	Arg	Cys	Leu	Phe	Leu	Phe	Gly	Asp
		35					40					45			

Met	Gly	Xaa	Xaa	Ile	Phe	Cys	Ser	Ile	Leu	Cys	Phe	Ser	Pro	Ile	Pro
	50					55					60				

Leu	His	Xaa	Val	Gly	Val	Xaa	His	Ser	Ile	Xaa	Xaa	Trp	Xaa	Gly	Phe
65					70					75					80

Arg	Asp	Trp	Val	Xaa	Pro	Lys	Asn	Xaa	Xaa	Gly	Xaa	Xaa	Phe	Xaa	Lys
				85					90					95	

Lys	Lys	Lys	Lys	Phe	Xaa	Gly	Gly	Gly	Pro	Xaa	Xaa	Xaa	Trp	Ala	Xaa
			100					105					110		

Xaa	Gly	Gly	Xaa	Xaa	Ala	Xaa	Xaa	Gly	Gly	Gly	Gly	Gly	Cys
	115						120					125	

<210> 7966

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

## 7096

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (112)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7966

Trp	Gly	Trp	Arg	Thr	His	Leu	Asn	Met	Trp	Asn	Pro	Asn	Ala	Gly	Gln
1				5				10						15	

Pro	Gly	Pro	Asn	Pro	Tyr	Pro	Pro	Asn	Ile	Gly	Cys	Pro	Gly	Gly	Ser
			20					25					30		

Asn	Pro	Ala	His	Pro	Pro	Pro	Ile	Asn	Pro	Pro	Phe	Pro	Pro	Gly	Pro
		35					40				45				

Cys	Pro	Pro	Pro	Pro	Gly	Ala	Pro	His	Gly	Asn	Pro	Ala	Phe	Pro	Pro
	50					55					60				

Xaa	Gly	Ala	Pro	His	Pro	Val	His	Ser	Gln	Gly	Ile	Gln	Asp	Ala	Xaa
65					70					75					80

Arg	Trp	Val	Leu	Pro	Ser	Pro	Tyr	Gln	Arg	Cys	Pro	Gly	Ile	Leu	Cys
				85					90					95	

Glu	Ser	Leu	Val	Trp	His	Val	Asp	His	Met	Ile	Val	Asp	Lys	Arg	Xaa
		100						105					110		

Glu	Lys	Met	Lys	Lys	Ser
		115			

&lt;210&gt; 7967

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7097

<221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7967  
 Xaa Arg Thr Arg Gly Leu Gly Glu Thr Ala Ala Xaa Ala Gly Arg Gly  
       1                  5                  10                  15  
 Thr Ala Ile Phe Ala Gly Xaa Xaa Pro Pro Ala Asp Xaa Lys Lys Cys  
                   20                  25                  30  
 Ala Gly Ser Arg Arg Ala Xaa Gly Leu Ala Leu Gly Leu  
           35                  40                  45  
  
 <210> 7968  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

## 7098

&lt;400&gt; 7968

Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg  
 1 5 10 15

Arg Ala Lys Ala Lys Thr Pro Glu Thr Arg Arg Ala Thr Xaa Glu Gln  
 20 25 30

Leu Lys Glu His Thr Arg Leu Cys Cys Lys Ile Val Gly Lys Ile Tyr  
 35 40 45

Arg Leu Xaa Arg Gln Thr Tyr Arg Ala Trp  
 50 55

&lt;210&gt; 7969

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7969

Asp Pro Arg Asn Gln Thr Ser Tyr Leu Arg Thr Ala Xaa Arg Ala His  
 1 5 10 15

Pro Ser Met Leu Gln Asn Met Gly Lys Ile Tyr Arg Leu Arg Arg Thr  
 20 25 30

Asn Leu Pro Ser Leu Val Ile Leu Val Val Pro Arg Xaa Asn Leu Ile  
 35 40 45

Ser Thr Phe Asn Leu Pro Xaa Asn Pro Leu Ile Pro Cys  
 50 55 60

&lt;210&gt; 7970

## 7099

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7970

Asn Leu Lys Leu Thr Leu Asn Leu Pro Gln Asn Pro Ser Lys Ser Leu

1

5

10

15

Gly Asn Leu Thr Gly Ser Pro Lys Arg Asn Ser Xaa Trp Thr

20

25

30

&lt;210&gt; 7971

&lt;211&gt; 121

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (107)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (110)

## 7100

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7971

Asp	Ile	Lys	Leu	Ile	Asp	Thr	Val	Xaa	Pro	Arg	Val	Phe	Phe	Phe	Phe
1				5				10						15	

Phe	Ser	Phe	Phe	Xaa	Phe	Phe	Phe	Glu	Met	Glu	Ser	His	Ser	Val	Ala
			20					25					30		

Gln	Ala	Gly	Tyr	Leu	Arg	Thr	Cys	Asn	Pro	Met	Ser	Arg	Asn	Val	Gly
		35					40					45			

Thr	Pro	Phe	Met	Ala	Val	Asn	Leu	Pro	Val	Leu	Arg	Ser	Leu	Tyr	Lys
	50					55					60				

Ser	Leu	Asn	Pro	Lys	Gly	Xaa	Asn	Pro	Ile	Xaa	Pro	Leu	Val	Ser	Phe
65					70					75					80

Ser	Val	Ala	Phe	Ala	His	Trp	Leu	Trp	Lys	Gln	Gly	Ser	Phe	Phe	Leu
				85					90					95	

Leu	Gly	Tyr	Leu	Trp	Ile	Trp	Gly	Ser	Val	Xaa	Cys	Ala	Xaa	Xaa	Gly
			100				105						110		

Asn	Xaa	Phe	Gln	Ala	Trp	Xaa	Arg	His
		115					120	

<210> 7972

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE



## 7101

<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (104)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (107)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (119)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (122)

## 7102

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (139)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7103

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (162)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7972

Xaa Ser Pro Gly Gly Ala Xaa Gly Gly Lys Ile Asn Arg Pro Arg Thr  
 1 5 10 15

Val Thr Val Trp Gly Pro Arg Thr Phe Phe Pro Gln Ala Phe Leu Ser  
 20 25 30

Pro Xaa Ile Ser His Glu Met Gly Xaa Val Lys Gly Pro Gly Leu Pro  
 35 40 45

Gly Gly Gly Ala Pro Xaa Ala Ala Ser Pro Leu His Leu Asn Ser Xaa  
 50 55 60

Leu Xaa Pro Arg Gln Glu Leu Lys Lys Lys Leu Phe Lys Arg Arg Arg  
 65 70 75 80

Val Leu Asn Arg Glu Arg Arg Leu Arg His Arg Val Val Gly Ala Val  
 85 90 95

Ile Asp Gln Gly Leu Ile Gln Xaa Ala Pro Xaa Gln Glu Ala Gly Val  
 100 105 110

Pro Leu Gln Val Ala Lys Xaa Asn Ile Xaa Lys Glu Glu Xaa Xaa Lys  
 115 120 125

Ile Leu Pro Ala Ile Pro Xaa Xaa Pro Glu Xaa Glu Gly Ser Leu Gly  
 130 135 140

Ile Gly Ser Pro Phe Lys Ala Xaa Gln Xaa Xaa Xaa Gln Xaa Lys Arg  
 145 150 155 160

Lys Xaa Gly Lys Ala Pro Ser  
 165

&lt;210&gt; 7973

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7104

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7973  
Val Ser Ser Asp Glu Arg Xaa Val Asn Xaa Asn Glu Thr Cys Xaa Xaa  
1 5 10 15  
Xaa Lys Leu Ser Gln Val Arg Gln Ser Tyr Pro Ile Phe Leu Xaa Val  
20 25 30  
Val Arg Leu Xaa Gly Asn Ser His Cys His Ile Ile Phe Lys Gly Ile  
35 40 45

<210> 7974  
<211> 85  
<212> PRT  
<213> Homo sapiens

## 7106

	20		25		30												
Val	Ile	Ser	Asp	Ser	Asp	Gly	Glu	Glu	Pro	Lys	Glu	Glu	Asn	Gly	Leu		
		35					40					45					
Gln	Lys	Thr	Lys	Thr	Lys	Gln	Ser	Asn	Arg	Ala	Lys	Cys	Leu	Ala	Lys		
		50				55					60						
Arg	Lys	Ile	Ala	Gln	Met	Thr	Glu	Glu	Glu	Gln	Phe	Ala	Leu	Ala	Leu		
	65				70					75					80		
Lys	Met	Ser	Glu	Gln	Glu	Ala	Arg	Glu	Val	Asn	Ser	Xaa	Xaa	Xaa	Glu		
				85					90						95		
Glu	Glu	Glu	Leu	Leu	Arg	Lys	Ala	Ile	Ala								
			100					105									

&lt;210&gt; 7976

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7107

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7976

Gly	Thr	Lys	Val	Gly	Thr	Ser	Pro	Xaa	Val	Leu	Ala	Xaa	Leu	Glu	Leu
1				5					10				15		

Val	Asp	Pro	Pro	Gly	Xaa	Arg	Asn	Ser	Ala	Arg	Asp	Xaa	Glu	Gln	Leu
			20					25					30		

His	Asp	Cys	Leu	Gln	Val	Ala	Thr	Ala	Trp	Met	Gln	Xaa	Ala	Gly	Glu
		35					40					45			

Asp	Arg	Arg	Leu	Gly	Gly	Ser	Pro	His	Arg	Gly	Gln	Gly	Ala	Xaa	Gly
	50					55					60				

Gln	Xaa	Xaa	Xaa	Pro	Arg	Thr	Trp	Xaa	Pro	Tyr	Phe	Pro	Val
65					70					75			

&lt;210&gt; 7977

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7108

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7977  
Ile Arg Xaa Pro Xaa Ser Ser Val Gln Val Gly Gly Trp Leu Val Val  
1 5 10 15  
Xaa Ser Glu Ala Glu Xaa Ala Gly Thr Arg Gly Ser Gly Pro Arg Glu  
20 25 30  
Leu Ser Xaa Xaa Ser Pro Pro Tyr Leu Leu Pro Val Thr Val Arg Ile  
35 40 45  
Met Ala Leu Leu Thr Leu Xaa Thr Trp Ala Ser Ser Thr Xaa Xaa

## 7109

50

55

60

&lt;210&gt; 7978

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7978

Xaa	Cys	Arg	Ile	Trp	Ile	Gly	Leu	Ile	Pro	Asn	Ser	Ala	Cys	Leu	Leu
1				5				10					15		

Xaa	Asn	Leu	Xaa	Met	Val	Lys	His	Leu	His	Xaa	Met	His	Lys	Met	Tyr
		20						25					30		

Gly	Tyr	Asn	Asn	Val	Tyr	Met	Asp	Met	Ile	Tyr	Phe	Ile	Ser	Leu	Leu
		35					40					45			

&lt;210&gt; 7979

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7979

Leu	Ala	Ala	Leu	Arg	Ser	Ser	Leu	Leu	Arg	Val	Tyr	Phe	Asn	Leu	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



## 7110

1	5	10	15
Phe	Lys	Ala	Val
Val	Thr	Ala	Pro
Pro	Lys	Val	Leu
Lys	Ala	Ile	Phe
20	25	30	
Gly	Ala	Tyr	Cys
Thr	Val	Val	Leu
Leu	Leu	Gln	Ile
Phe	Ser	Tyr	Gly
35	40	45	
Arg	Met	Val	Phe
Ser	Ser	Cys	Lys
Ser	Leu	Glu	Leu
Ile	Leu	Arg	
50	55	60	

&lt;210&gt; 7980

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

## 7111

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7980

Met Thr Phe Pro Ser Asn Ser Glu Val Ile Phe Leu Lys Glu Xaa Leu

1

5

10

15

Val Asn Xaa Xaa Ala Gly Phe Phe His Thr Asn Xaa Pro Xaa Pro Gly

20

25

30

Lys Lys Lys Pro Lys Pro Pro Leu Xaa Lys Lys Pro Xaa Leu Phe Leu

35

40

45

Gly Glu Lys Ile Pro Pro Lys Gly Gly Lys Lys Xaa Pro Phe Asn Gln

50

55

60

Asn Trp Ala Pro Xaa Gly Xaa Gly Gly Gly Gly Asn Xaa Leu

65

70

75

<210> 7981

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7112

<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7981  
Pro Lys Asn Val Ser Tyr Asn Val Ser Leu Lys Asn Lys Gln Lys Arg  
1 5 10 15  
Xaa Leu Pro Lys Thr Lys Ile Xaa Gln Met Ile Phe Xaa Gly Xaa Leu  
20 25 30  
Gly Phe Xaa Phe Ser Val Leu Ile Gly Ser Thr Ala Leu Xaa Thr Gly  
35 40 45  
Ile Leu  
50

<210> 7982

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 7113

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7982

Ile	Ser	Leu	Ile	Asn	Leu	Leu	Glu	Xaa	Ile	Gly	Leu	Lys	Lys	Lys	Xaa
1				5					10					15	

Val	Asn	Gly	Lys	Asn	Leu	Lys	Lys	Tyr	Phe	Xaa	Xaa	Xaa	Gln	Leu	Phe
		20						25					30		

Tyr	Tyr	Xaa	Glu	Tyr	Pro	Thr	Gly	Phe	Phe	Lys	Xaa	Val	Ala	Pro	Pro
		35					40					45			

Phe	Phe	Pro	Leu	Xaa	Pro	Leu	Gly	Xaa	Val	Lys	Lys	Phe	Pro
		50				55					60		

## 7114

<210> 7983

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7983

Gly Asn Asp Leu Pro Ile Pro Leu Pro Cys Tyr Ser Xaa Thr Pro Cys  
1 5 10 15

Val Ser Leu Ala Ser Gly Gly Xaa Met Phe Glu Glu Lys Glu Leu Cys  
20 25 30

Gln Glu Ser Gly Asp Arg Val Tyr Gly Xaa Gly Phe Leu Leu Gly Met  
35 40 45

## 7115

Leu Phe Val Ala Phe Trp Ala Ser Xaa Met Glu Thr Xaa Thr Leu Glu  
 50 55 60

Pro Xaa Xaa Trp Asn Ser Pro Pro Asn Pro Pro Ile Phe Leu Lys Ile  
 65 70 75 80

Tyr Phe Pro Leu Leu Phe Leu Ala Phe Lys Thr Cys Tyr Ser Phe Phe  
 85 90 95

Gly Lys Ile Leu Thr Asn Phe  
 100

<210> 7984

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7984

Arg Thr Ala Val Lys Pro Arg Ile Leu Ala Arg Pro Ala Ile Ser Lys  
 1 5 10 15

Ala Val Ser Arg Asn Trp Thr Arg Tyr Gln Met Met Gly Lys Gln Thr  
 20 25 30

His Arg Pro Lys Asn Ile Glu Glu Arg Xaa Val Asp Ile Asn Arg Lys  
 35 40 45

Ala Lys Gly Ala Met Gln His Leu Leu Pro Ser Ser Trp Val Phe Pro  
 50 55 60

Pro  
 65

<210> 7985

<211> 39

<212> PRT

<213> Homo sapiens

<400> 7985

Val Phe Phe Leu Val Tyr Lys Asn Gln Cys Leu Tyr Lys Cys Cys Ser  
 1 5 10 15

## 7116

Gly Phe Gln Tyr Asn Arg Trp Leu Gly Phe Leu Glu Gln Arg Val Phe  
                     20                    25                    30

Gly Phe Leu Phe Phe Leu Gly  
                     35

<210> 7986

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7986

Glu Asn His Phe Ser Lys Cys Leu Lys Asn Tyr Phe Leu Asp Leu Phe  
       1                    5                    10                    15

Phe Phe Ser Phe Pro Asn Lys Leu Trp Leu His Thr Lys Thr Val Thr  
                     20                    25                    30

Glu Pro Tyr Glu Ser Arg Thr Xaa Leu Pro Arg Lys Thr Asn Tyr Xaa  
                     35                    40                    45

Xaa Phe Ser Pro Glu Xaa Lys Leu  
       50                    55

<210> 7987

<211> 145

## 7117

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (85)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (94)



## 7118

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7987

Arg	Xaa	Thr	Thr	Phe	Glu	Lys	Ser	Leu	Leu	Met	Gly	Xaa	Glu	Phe	Gln
1				5					10					15	

Arg	Arg	Ala	Xaa	Ala	Met	Met	Leu	Arg	Ala	Ala	Val	Leu	Arg	Asn	Xaa
		20					25					30			

Ile	His	Val	Lys	Ser	Pro	Pro	Xaa	Lys	Arg	Thr	Xaa	Gly	Asn	Leu	Leu
		35					40					45			

His	Gln	His	Xaa	Ser	Arg	Met	Asn	Thr	Asn	Met	Xaa	Arg	Val	Asn	Leu
	50					55					60				

Ala	Ser	Lys	Thr	Ser	Ala	Pro	Pro	Pro	His	Leu	His	Gly	Thr	Arg	Asn
65					70					75					80

Ser	Arg	Arg	Ser	Xaa	Leu	Pro	Ala	Ala	Thr	Lys	Gly	Pro	Xaa	His	Gly
			85						90					95	

Xaa	Pro	Pro	Xaa	Leu	Phe	Ser	Ser	Leu	Gly	Leu	Lys	Lys	Gln	Xaa	Phe
			100					105					110		

Tyr	Phe	Cys	Leu	Pro	Gly	Lys	Lys	Ser	Ser	Xaa	Ser	Thr	Phe	Cys	Phe
		115					120					125			

7119

Phe Pro Gly Thr Xaa Val Ala Pro Ala Met Asp Ile Pro Asn Leu Phe  
130 135 140

Pro  
145

<210> 7988  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 7988  
Leu Lys Ser Ile Phe Phe Ile Lys Leu Ile Leu Ile Val Phe Glu Ile  
1 5 10 15  
Ile Ile Gln Phe Thr Tyr Gly Arg Gly Ile Ser Ile Leu Met Thr Ser  
20 25 30  
Lys Asn Val Thr Asn  
35

<210> 7989  
<211> 33  
<212> PRT  
<213> Homo sapiens

<400> 7989  
Gln Asp Tyr Trp Lys Phe Val Ile Met Asn Glu Thr Phe Cys His Ile  
1 5 10 15  
Arg Phe Ile Phe Thr Ser Tyr Thr Phe Asp Lys Val Arg His Gly Cys  
20 25 30  
Gly

<210> 7990  
<211> 52  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (29)

## 7120

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7990

Ala	Gly	Ala	Ala	Ala	Val	Leu	Pro	Ile	Thr	Arg	Gly	Glu	Ala	Arg	Pro
1					5				10					15	

Gly	Glu	Val	Gln	Ala	Leu	Ala	Glu	Val	Thr	Ala	Ala	Xaa	Leu	Glu	Pro
			20					25					30		

Arg	Thr	Leu	Ser	Ala	Pro	Lys	His	Ser	Val	Pro	Tyr	Leu	Gln	His	Leu
		35					40						45		

Ser	Pro	Ile	Val
			50

<210> 7991

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7991

Gln	Gly	Glu	Ser	Thr	Gly	Asp	Met	Ser	Leu	Ile	Arg	Tyr	Arg	Val	Cys
1				5					10					15	

Leu	Gln	Gly	Val	His	Ser	Leu	Met	Arg	Asn	Arg	Asn	Phe	Ser	Leu	Val
			20					25					30		

Pro	Lys	Thr	Leu	Lys	Tyr	Lys	Val	Leu	Gln	Xaa	Val	Pro	Cys	Ile	Met
			35				40						45		

7121

Phe Pro Ser Xaa Ile Thr Arg Asn Ser Met Glu Lys Lys Cys Xaa Met  
50 55 60

Leu Thr Ile Asp Leu Xaa Ile Glu Ser Pro  
65 70

<210> 7992

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$ 

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7992

Pro Met Gly Ser Pro Ala Pro Gly Gly Thr Cys Cys Asn Xaa Asn Lys  
1 5 10 15

Cys Gly Xaa Met Arg Asp Asp His Val Tyr Pro Pro  
20 25

<210> 7993

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7993

Phe Glu Thr Ser Xaa Phe Pro Ser Lys Lys Met Lys Lys Phe Leu Asp  
1 5 10 15

## 7122

Gly Pro Ile Pro Pro Pro Pro Pro Gln Xaa Ala Leu  
                   20                  25

<210> 7994

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7994

Asn Pro Asn Ala Ser Arg Asn Arg Ser Gly Xaa Pro Gly Ser Thr His  
   1                  5                  10                  15

Ala Ser Asp Phe Xaa Val Phe Xaa Met Pro Ile Ser Thr Gly Gly Phe  
                   20                  25                  30

Leu Lys Ile Val Lys  
                   35

<210> 7995

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

## 7123

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7995

Ala	Gln	Ile	Gln	Pro	Ala	Pro	Ala	Ala	Pro	Gly	Thr	Glu	Glu	Leu	Thr
1				5					10					15	

Glu	Ala	Pro	Val	Gln	Gly	Leu	Leu	Leu	Pro	Leu	Leu	Phe	Pro	Ser	Val
			20					25					30		

Cys	Pro	Gly	Pro	Gly	Ala	Arg	His	Gly	Gly	Gly	Gly	Glu	Ala	Xaa	Xaa
		35					40							45	

Xaa	Gly	Xaa
	50	

<210> 7996 .

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

7124

&lt;400&gt; 7996

```

Leu Xaa Leu Thr Lys Leu Asn Xaa Ile Arg Gly Glu Xaa Ala Xaa Val
 1             5             10             15

Thr Ala Leu Gly Gln Gly Tyr Pro Gly Pro Gly Glu Ile Ser Arg Gly
          20             25             30

Ser Gly Pro Thr Arg Pro Pro Thr Arg Pro Gly Glu Glu His Phe Ala
          35             40             45

Tyr Val Leu Lys Val Cys Ile Gly Val Arg Gly Ala Leu Tyr Met Gly
          50             55             60

Thr Ser His Lys Thr Gly Asp Tyr Phe Leu Ile Ile Leu Asn Phe His
65             70             75             80

Pro Glu

```

&lt;210&gt; 7997

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7997

```

Pro Asn Ala Gly Glu Pro Ile Arg Xaa Pro Gly His Pro Arg Xaa His
 1             5             10             15

```

## 7125

Lys Leu His Val Xaa Glu Ile Ser Xaa Gly Ala Leu Ile Lys Phe Ser  
                     20                    25                    30

Asp Pro Asn  
                     35

<210> 7998

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7998

Xaa Asn Cys Leu Ile Thr Trp Cys Val Leu Arg Asn Leu Thr Ser Thr  
       1                    5                    10                    15



## 7126

Pro Val Asn Ser Leu Gln Leu Asn Ser Lys Asn Ser Xaa Ala Arg Lys  
                   20                  25                  30

Phe Ser Thr Phe Ser Ala His Glu Thr Phe Ala Pro Xaa Glu Ser Tyr  
           35                  40                  45

Asp Tyr Leu Lys Thr Ser Gly Leu Ala Met Phe Ile Xaa Xaa Xaa Xaa  
       50                  55                  60

Arg Leu  
   65

<210> 7999

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7999

## 7127

Phe Xaa Phe Thr Glu Leu His Leu Ile Arg Gly Lys Lys Gly Trp Val  
 1                      5                      10                      15

Tyr Arg Pro Leu Ala Arg Xaa Tyr Pro Gly Ser Arg Xaa Ile Ser Arg  
                     20                      25                      30

Gly Ser Glu Xaa His Val Xaa Leu Gly Lys Lys Lys Xaa  
                     35                      40                      45

&lt;210&gt; 8000

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8000

Gly Gly Asp Leu Gly Glu Ser Val Arg Lys Thr Glu Lys Gly Arg Thr  
 1                      5                      10                      15

Gly Pro Pro Leu Pro Pro Ile Pro Gly Pro Gly Pro His Ser Leu Leu  
                     20                      25                      30

Cys His Asn Gln Leu Arg Tyr Pro Arg Ser Asp Tyr Pro His Ser Leu  
                     35                      40                      45

Phe Glu Gln Leu Phe Ile Glu Gln Leu Glu Tyr Val Ser Leu Cys Gln  
                     50                      55                      60

Leu Leu Ala Arg Ser Arg Lys Tyr Gln Met Ser Glu Ile Ile Gly His  
                     65                      70                      75                      80

Tyr Pro Trp

&lt;210&gt; 8001

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7128

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8001

Xaa	Arg	Arg	Gly	Gly	Lys	Lys	Xaa	Xaa	Gly	Arg	Ser	Gln	Val	Pro	Pro
1				5					10					15	

Xaa	Arg	Lys	Arg	Gly	Arg	Gly	Xaa	Pro	Gly	Ser	Thr	His	Ala	Ser	Xaa
			20				25						30		

Ser

&lt;210&gt; 8002

&lt;211&gt; 131

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (128)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8002

Val	Pro	Ser	Gly	Gly	Arg	Pro	Thr	His	Thr	Ser	Ala	Asp	Ser	Pro	Ala
1				5					10					15	

Arg	Gln	Lys	Arg	Pro	Pro	Ala	Gly	Pro	Ala	Ser	Arg	Ser	Arg	Gly	Cys
			20				25						30		

Leu Gln Gly Gly Gln Ala Gln His Pro Gly Val Leu Arg Leu Leu Phe

## 7129

	35		40		45														
Ile	Ser	His	His	Arg	Gln	Ala	Arg	Arg	Val	Ala	Pro	Lys	Arg	Thr	Pro				
	50					55					60								
Gly	Arg	Ala	Ser	Pro	Ser	Pro	His	Gly	Asp	Pro	Pro	Pro	Ala	Lys	Gly				
	65					70				75					80				
Gly	Ala	Pro	Gly	Pro	Arg	Gln	Trp	Ser	Asp	His	Gln	Val	Arg	Gly	Ile				
					85				90					95					
Ser	Gln	Gly	Leu	Glu	Pro	Asp	Ser	Trp	Ser	Ser	Gly	Ser	Gly	Pro	Pro				
			100					105					110						
His	Ala	Gly	Cys	Lys	Ser	Thr	Gln	Glu	Thr	Trp	Lys	Ala	Ser	Leu	Xaa				
	115						120					125							
Pro	Asn	Leu																	
	130																		

&lt;210&gt; 8003

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8003

Gln	Xaa	Ala	Ile	Cys	Phe	Ile	Gly	Ile	Val	Phe	Ile	Gly	Lys	Asp	Glu
1				5					10					15	

Phe	Ile	Pro	Glu	Ser	Ile	Glu	Tyr	Leu	Leu	Gly	Tyr	Leu	Ile	Leu	Leu
			20					25					30		

Ile	Leu	Gly	Thr	Glu	Pro	Phe	Ala	Ala	His	Cys	Thr	Ser	Gly	Asn	Ser
		35					40					45			

&lt;210&gt; 8004

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7130

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7131

&lt;400&gt; 8004

Leu Xaa Xaa Phe Leu Leu Ala Xaa Leu His Trp Leu Val Pro Xaa Arg  
 1 5 10 15

Xaa Xaa Ile Glu Xaa Gly Ile Met Asp Xaa Leu Asp Leu Phe Pro Xaa  
 20 25 30

Ser Trp Gly Lys Leu Leu Ile Xaa Ile Ile Lys  
 35 40

&lt;210&gt; 8005

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8005

Ala Leu Gly Thr Ile Gln Xaa Ala Ile Xaa Trp Ser Asn Xaa Met Arg  
 1 5 10 15

Ile Lys Gly Asn Ala Cys Thr  
 20

&lt;210&gt; 8006

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8006

Trp Ile Tyr Gln Arg Ser Gln Ile His Phe Phe Gln Asn Leu Lys Thr  
 1 5 10 15

Lys Gly His His Glu Cys Thr Gln Lys Leu Gly Gln Val Tyr Tyr Ile

## 7132

20

25

30

Trp Asp Phe His Leu  
35

&lt;210&gt; 8007

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8007

Lys Thr Val Glu Cys Xaa Xaa Thr Ile Leu Pro Arg Phe Leu Xaa Xaa  
1 5 10 15

His Leu Lys Xaa  
20

&lt;210&gt; 8008

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7133

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8008

Asp Thr Xaa Ser Lys His Xaa Lys Thr Xaa Asn Thr Thr Val Asn Lys

1

5

10

15

Xaa

&lt;210&gt; 8009

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8009

Gly Leu Phe Trp Pro Phe Pro Arg Glu Cys Leu Pro Leu Tyr Leu Pro

1

5

10

15

Gly Pro Ile Asp Lys Asp Val Leu Pro Cys Arg Arg Leu Ala Ser Ile

20

25

30

Thr Ala Cys Pro Leu Leu Cys Pro Leu Gln Pro Pro Leu Thr Leu

35

40

45

&lt;210&gt; 8010

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



## 7134

&lt;400&gt; 8010

Gly Glu Ile Ser Ser Leu Asn Gly Asp Leu Lys Thr Leu Gly Leu His  
 1 5 10 15

Tyr Val His Asn Gly Ser Ala Ser Phe Ile Met Gln Lys Ser Leu Pro  
 20 25 30

Leu Leu Lys Ile Pro Val Ala Ala Ala Cys Arg Gly Leu Val Ala Ser  
 35 40 45

Cys Leu Leu Gly Thr Glu Gln Glu Leu His Ser Pro Ala Trp Ser Lys  
 50 55 60

Leu Trp Pro Arg Asp Arg Gly Pro Lys Ser Gln Pro Pro Ser Tyr Thr  
 65 70 75 80

Gly Ala

&lt;210&gt; 8011

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8011

Ser Leu Ala Phe Pro Ser Leu Ser His Arg Thr Tyr Pro Ser Pro Arg  
 1 5 10 15

Lys Cys Pro Ser Leu Ala Ser Ala Cys Pro Ser Glu Ser Ala Phe Phe  
 20 25 30

Ala Leu Asn Ile Ser Thr Leu Tyr  
 35 40

&lt;210&gt; 8012

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

## 7135

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8012

Lys	Arg	Gly	Arg	Ser	Ser	Arg	Xaa	Xaa	Tyr	Thr	Asp	Xaa	Tyr	Xaa	Gly
1				5					10					15	

Asn	Asp	Trp	Ser	Xaa	Leu	Xaa	Val	Leu	Gly	Pro	Leu	Ile	Xaa	Gly	Ser
			20					25					30		

Thr

<210> 8013

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 7136

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8013

Arg	Val	Ser	Pro	Gly	Pro	Trp	Pro	Gly	Trp	Gly	Trp	Gly	His	Arg	Ser
1				5				10						15	

Ala	Gln	Ser	Arg	Arg	Arg	Pro	Gly	Phe	Leu	Gly	Ser	Val	Leu	Ser	Ser
			20					25					30		

Gln	Phe	Leu	Ala	Leu	Cys	Thr	Leu	Lys	Pro	Ser	Leu	Val	Val	Glu	Leu
		35					40					45			

Ala	Arg	Asp	Leu	Leu	Glu	Phe	Leu	Gly	Ser	Val	Asn	Gly	Leu	Cys	Ser
	50					55					60				

Arg	Ala	Ser	Leu	Val	Thr	Ser	Val	Val	Trp	Ala	Ile	Gly	Glu	Ser	Cys
65					70				75						80

Xaa	Asp	Leu	Arg	Ser	Gly	Gly	Ala	Pro	Xaa	Xaa	Xaa
			85					90			

&lt;210&gt; 8014

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8014

Gly	Ser	Ser	Tyr	Pro	Gly	Arg	Ser	Arg	Ala	Arg	Cys	Pro	Leu	Gln	Thr
1				5				10					15		

Ser	Ala	Val	Tyr	Gly	Cys	Glu	Tyr	Val	Ala	Val	Leu	Gly	Ser	Cys	Glu
		20						25					30		

Phe	Val	Ile	Leu	Asp	Val	Leu	His	Cys	Pro	Arg	Gly	Pro	Lys	Lys	Asp
		35					40						45		

Gly	Lys	Arg	Ser	Pro	Ser	Ala	Leu	Val	Leu	Asn	Met
	50					55					60

## 7137

&lt;210&gt; 8015

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8015

Lys Ala Ser Cys Phe Pro Ile Pro Leu His Glu Gly Asn Asp Tyr Asn  
1 5 10 15

Ile Ser Tyr Val Tyr Phe Gln Ile Asn Phe Thr Tyr Leu Ile Ala Tyr  
20 25 30

Val Leu Lys Ile Phe Ser Thr Asn Arg Ile Ile Ile Leu Ile Leu Leu  
35 40 45

Ser Phe Ser Tyr Cys Ile Leu Leu Phe Leu Leu His Asp Phe Ser  
50 55 60

&lt;210&gt; 8016

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8016

Ala His Ala Ser Xaa His Ala Ser Glu Lys Lys Lys Xaa Gly Asn Phe  
1 5 10 15

&lt;210&gt; 8017

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7138

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8017

Gln	Xaa	Arg	Lys	Arg	Thr	Pro	Glu	Asp	Arg	Pro	Glu	Asn	Pro	Gly	Arg
1				5					10					15	

Pro	Thr	Arg	Pro	Phe	Ser	Xaa	Asn	Xaa	Ser	Thr	Phe	Asn	Trp	Xaa	Gln
			20					25					30		

Arg	Lys	Xaa	Lys	Glu
			35	

&lt;210&gt; 8018

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8018

Glu	Lys	Asn	Asp	Ile	Ile	Ser	Thr	Tyr	Tyr	Ile	Val	Gly	Ser	Leu	Tyr
1				5					10					15	

Thr	Lys	Val	Ile	Val	Met	Arg	Lys	Asn	Gly	Leu	Gly	Ile	Leu	Phe	Lys
			20						25				30		

Ile Asn

7139

&lt;210&gt; 8019

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8019

Phe	Arg	Phe	Cys	Leu	Cys	Gly	His	Phe	Lys	Thr	Cys	Val	Thr	Tyr	Ile
1				5					10					15	

Xaa	Thr	Phe	Ile	Leu	Leu	Tyr	Phe	Val	Ser	Pro	Pro	Thr	Xaa	Asn	Phe
				20				25					30		

## 7140

Phe Cys Phe Leu Lys Asn Asp Ser Leu Thr Pro Gln Gln Xaa Lys Val  
35 40 45

Ile Xaa Tyr Thr Tyr Ile Ser Ile Phe Val Ile Xaa Lys Ser Asn Pro  
50 55 60

Xaa Ser Xaa  
65

<210> 8020

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7141

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8020  
Val Glu Asn Xaa Thr Ile Gly Phe Xaa Trp Xaa Ala Xaa Arg Tyr Arg  
1 5 10 15  
Ser Gly Ile Pro Gly Ser Thr His Ala Phe Xaa His Ala Phe Xaa Glu  
20 25 30  
His Leu Leu Val Gln Ala Asp Xaa Pro Asn Thr Xaa Gly Lys Gly Gly  
35 40 45  
Asn Glu Arg Pro Gly Val Gln Xaa Ser Ile Leu Asn Xaa Leu Cys  
50 55 60

<210> 8021  
<211> 16  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8021



## 7142

Ala Ala Met Leu Pro Glu Ala Ser Phe Xaa Xaa Pro Xaa Arg Ala Thr  
1 5 10 15

<210> 8022

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8022

Phe Gly Met Pro Xaa Gly Thr Ser Ala Gly Thr Gly Pro Glu Phe Pro  
1 5 10 15

Gly Arg Pro Thr Arg  
20

<210> 8023

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7143

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8023

Ala	Phe	Asn	Glu	Ser	Arg	Ser	Ile	Glu	Glu	Asn	Lys	Xaa	Phe	Gln	Leu
1				5				10					15		

Met	Asp	Phe	His	Met	Glu	Val	Gly	Glu	Thr	Asn	Asn	Xaa	Ile	Xaa	Pro
			20					25					30		

His	Thr	Thr	Tyr	Lys	Ser	Asn	Trp	Arg	Cys	Xaa	Ile	His	Gln	Asn	Leu
			35				40					45			

Lys	Val	Lys	Asp	Ile	Lys	Xaa	Phe	Lys	Asp	Thr	Leu
	50				55					60	

&lt;210&gt; 8024

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8024

Xaa	Arg	Gln	Ala	Leu	Ile	Arg	Leu	Thr	Ile	Trp	Lys	Xaa	Gly	Thr	Pro
1				5				10					15		

Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Leu	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

## 7144

	20		25		30
Leu	Ser	Xaa	Asn	Ile	Asp
			Lys	Leu	Pro
			Gly	Xaa	Lys
			Glu	Asn	Ile
			Gly		
	35		40		45
Leu	Ile	Val			
	50				

&lt;210&gt; 8025

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8025

Glu	Lys	Ile	Arg	Val	Phe	Lys	Ala	Gly	Pro	Arg	Gly	Arg	Ser	Arg	Gly
1				5				10					15		

Lys	Xaa	Trp	Xaa	Ala	Xaa
				20	

&lt;210&gt; 8026

&lt;211&gt; 115

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8026

Gly Val Gly Gly Arg Asp Pro Val Pro Asp Thr Gly Glu Glu Ile Pro

## 7145

1	5	10	15												
Ser	Leu	Val	Phe	Met	Leu	Pro	Val	Arg	His	Cys	Leu	Leu	Asp	Ile	Ile
			20					25					30		
Ile	Pro	Thr	Leu	Cys	Ser	Phe	Val	Ser	Gln	Ile	Gln	Tyr	Ile	Val	Lys
		35					40					45			
Ala	Ser	Trp	Ser	Phe	Phe	Asn	Ile	Ser	His	Leu	Cys	His	Ser	Leu	His
		50				55					60				
Ser	His	Lys	Pro	Gln	Gln	Leu	Leu	Lys	Val	Leu	Leu	Asp	Pro	Leu	Leu
65						70				75					80
Pro	Val	Phe	Glu	Ile	Phe	Leu	Ala	Tyr	Asp	Cys	Leu	Ile	Thr	Phe	Leu
				85					90					95	
Lys	Ser	Ser	Ser	Leu	Ala	Tyr	Ser	Arg	Xaa	His	Arg	Gly	Leu	Leu	Trp
			100					105					110		
Cys	Ile	Arg													
		115													

&lt;210&gt; 8027

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8027

## 7146

Gly Pro Pro Gly Lys His Leu Gly Lys Xaa Pro Xaa Gly Pro Ser Arg  
1 5 10 15

Asp Arg Thr Gly Arg Pro Xaa Pro Thr His Val Phe Xaa Pro Phe Lys  
20 25 30

Thr Lys

<210> 8028

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8028

Ala Thr Lys Asn Xaa Ser Gly Thr Ser Lys Ala Arg His Lys Val Gln  
1 5 10 15

Ile Pro Ala Arg Arg His Gln Thr Glu Ala Asn Ser Cys Ala Ser Lys  
20 25 30

Pro Thr

<210> 8029

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

## 7147

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8029

Xaa	Phe	Pro	Val	Arg	Phe	Thr	Xaa	Pro	Thr	Arg	Gly	Ser	Pro	Arg	Glu
1				5				10					15		

Ser	Trp	Val	Arg	Xaa	Gly	Lys	Ala	Thr	Pro	Glu	Xaa	Glu	Ala	Gly	Ser
		20						25					30		

Pro	Arg	Xaa	Pro	Asp
		35		

<210> 8030

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8030

Asp	Arg	Tyr	Thr	Cys	Gln	Arg	Pro	Ser	Ala	Arg	Xaa	Phe	Arg	Xaa	Leu
1				5				10				15			

Pro	Phe	Leu	Ser	Arg	His	Val	Arg	Arg	Leu	Ser	Pro	Xaa	Ala	Leu	Asn
		20						25					30		

## 7148

Arg Gly Leu Pro  
35

<210> 8031

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8031

Tyr	Ile	Phe	Asn	Xaa	Asn	Thr	Ala	Pro	Leu	His	Thr	Leu	Xaa	Asn	Val
1				5					10					15	

Gly	Asp	Xaa	Ile	Ser	Glu	Leu	Gly	Lys	Asn	Leu	Lys	Lys	His	Ile	Arg
			20					25					30		

<210> 8032

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7149

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8032  
 Pro Xaa Xaa Ala Thr Val Xaa Pro Gly Pro Val Arg Arg Arg Ser Arg  
   1                  5                  10                  15  
 Ser Xaa Glu Arg Arg Ser Ala Pro Ala Gly Ala Xaa Gly Pro Ser Ala  
                   20                  25                  30  
 Ser Val Leu Thr Xaa Pro Xaa Xaa  
           35                  40

<210> 8033  
 <211> 69  
 <212> PRT  
 <213> Homo sapiens

<400> 8033  
 Gly Ala Tyr Leu Ala Asn Ser Thr Leu Asn Leu Ser Ala Trp Lys Leu  
   1                  5                  10                  15



## 7150

Leu Met Gln Cys Pro Arg Trp Arg Lys Val Arg Val Asp Pro Glu Glu  
                   20                  25                  30

Pro Arg Glu Asp Val Gln His Gly Asp Leu Gly Ser Ser Gln Gly Pro  
           35                  40                  45

Tyr Phe Ser Asp Phe Trp Ser Glu Asn Thr Ser Ser Gly Lys Ser Pro  
       50                  55                  60

Leu Thr His Pro Gly  
   65

<210> 8034

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8034

Xaa Xaa Xaa Lys Ser Ile Met Lys Gln Gln Lys Ser Thr Pro Leu Leu  
   1                  5                  10                  15

Gly Leu Asp Asn Glu His Gly Ile Ser Pro Lys Leu Val Ala Trp Asn  
           20                  25                  30

## 7151

Gly Ser Ile Phe Ala Cys Val Ile Leu Xaa Ser Tyr Ser Gln Lys Glu  
                   35                                  40                                  45

Ile Phe Arg Asn Ser Val Phe His Leu Ala Gly Xaa Ala Val Ile Leu  
           50                                  55                                  60

Leu Cys Asn  
   65

<210> 8035

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8035

Pro Ser Gln Pro Lys Thr Xaa Asn Val Glu Pro Glu Asp Xaa Arg Ser  
   1                                  5                                  10                                  15

Xaa His Val His Xaa Met Glu Ile Cys Ala Tyr Leu Tyr Ile Lys  
                   20                                  25                                  30

<210> 8036

<211> 69

<212> PRT

<213> Homo sapiens